



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

MS4 SWPPP Application for Reauthorization

for the NPDES/SDS General Small Municipal Separate
Storm Sewer System (MS4) Permit MNR040000
reissued with an effective date of August 1, 2013
Stormwater Pollution Prevention Program (SWPPP) Document

Doc Type: Permit Application

Instructions: This application is for authorization to discharge stormwater associated with Municipal Separate Storm Sewer Systems (MS4s) under the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit Program. **No fee** is required with the submittal of this application. Please refer to "Example" for detailed instructions found on the Minnesota Pollution Control Agency (MPCA) MS4 website at <http://www.pca.state.mn.us/ms4>.

Submittal: This MS4 SWPPP Application for Reauthorization form must be submitted electronically via e-mail to the MPCA at ms4permitprogram.pca@state.mn.us from the person that is duly authorized to certify this form. All questions with an asterisk (*) are required fields. All applications will be returned if required fields are not completed.

Questions: Contact Claudia Hochstein at 651-757-2881 or claudia.hochstein@state.mn.us, Dan Miller at 651-757-2246 or daniel.miller@state.mn.us, or call toll-free at 800-657-3864.

General Contact Information (*Required fields)

MS4 Owner (with ownership or operational responsibility, or control of the MS4)

*MS4 permittee name: City of Carver *County: Carver
(city, county, municipality, government agency or other entity)
*Mailing address: 316 N Broadway PO Box 147
*City: Carver *State: MN *Zip code: 55315
*Phone (including area code): 952-448-5353 *E-mail: bmareck@cityofcarver.com

MS4 General contact (with Stormwater Pollution Prevention Program [SWPPP] implementation responsibility)

*Last name: Schultz *First name: Paul
(department head, MS4 coordinator, consultant, etc.)
*Title: Public Services Superintendent
*Mailing address: 801 Jonathan Carver Parkway
*City: Carver *State: MN *Zip code: 55315
*Phone (including area code): 952- 448-2290 *E-mail: pschultz@ci.carver.mn.us

Preparer information (complete if SWPPP application is prepared by a party other than MS4 General contact)

Last name: Schleeter First name: Brad
(department head, MS4 coordinator, consultant, etc.)
Title: Project Manager
Mailing address: 2335 W Highway 36
City: St. Paul State: MN Zip code: 55113
Phone (including area code): 651-604-4801 E-mail: brad.schleeter@stantec.com

Verification

1. I seek to continue discharging stormwater associated with a small MS4 after the effective date of this Permit, and shall submit this MS4 SWPPP Application for Reauthorization form, in accordance with the schedule in Appendix A, Table 1, with the SWPPP document completed in accordance with the Permit (Part II.D.). ☐ Yes
2. I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. ☒ Yes

Certification (All fields are required)

- ☒ Yes - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.

This certification is required by Minn. Stat. §§ 7001.0070 and 7001.0540. The authorized person with overall, MS4 legal responsibility must certify the application (principal executive officer or a ranking elected official).

By typing my name in the following box, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing my application.

Name: Paul Schultz
(This document has been electronically signed)

Title: Public Services Sup. Date (mm/dd/yyyy): 12-20-2013

Mailing address: 801 Jonathan Carver Parkway

City: Carver State: MN Zip code: 55315

Phone (including area code): 952- 448-2290 E-mail: pschultz@ci.carver.mn.us

Note: The application will not be
processed without certification.

Stormwater Pollution Prevention Program Document

I. Partnerships: (Part II.D.1)

- A. List the **regulated small MS4(s)** with which you have established a partnership in order to satisfy one or more requirements of this Permit. Indicate which Minimum Control Measure (MCM) requirements or other program components that each partnership helps to accomplish (List all that apply). Check the box below if you currently have no established partnerships with other regulated MS4s. If you have more than five partnerships, hit the tab key after the last line to generate a new row.

☐ No partnerships with regulated small MS4s

Name and description of partnership	MCM/Other permit requirements involved
Carver County – We coordinate with the County who oversees private septic system maintenance inspections and reporting, we coordinate plan review and construction site inspection activities with the Carver County staff, and through the Carver County Watershed Management Organization and Carver Soil and Water Conservation District.	MCM #3, MCM #4, MCM #5
City of Victoria – We share use and maintenance responsibilities of a regenerative air street sweeper with the City of Victoria	MCM #6

- B. If you have additional information that you would like to communicate about your partnerships with other regulated small MS4(s), provide it in the space below, or include an attachment to the SWPPP Document, with the following file naming convention: *MS4NameHere_Partnerships*.

We coordinate plan review activities with the Lower Minnesota River Watershed District.

II. Description of Regulatory Mechanisms: (Part II.D.2)

Illicit discharges

- A. Do you have a regulatory mechanism(s) that effectively prohibits non-stormwater discharges into your small MS4, except those non-stormwater discharges authorized under the Permit (Part III.D.3.b.)? ☐ Yes ☒ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☐ Ordinance ☐ Contract language
☐ Policy/Standards ☐ Permits
☐ Rules
☐ Other, explain: _____

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Stormwater and Urban Runoff Pollution Control Ordinance (Section 1255 in City Code)

Direct link:

☒ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_IDDEreg*.

2. If **no**:

Describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

We have a Stormwater and Urban Runoff Pollution Control Ordinance (Section 1255 in City Code) that meets the majority of what the MPCA considers an effective regulatory mechanism for illicit discharges. We will revise this ordinance to comply fully with the requirements of the MS4 permit within 12 months of the date permit coverage is extended.

Construction site stormwater runoff control

- A. Do you have a regulatory mechanism(s) that establishes requirements for erosion and sediment controls and waste controls? ☒ Yes ☐ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

- ☒ Ordinance ☐ Contract language
☐ Policy/Standards ☐ Permits
☐ Rules
☐ Other, explain: _____

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

- Storm Water Management Ordinance (Section 1250 in City Code)

Direct link:

- ☒ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_CSWreg*.

- B. Is your regulatory mechanism at least as stringent as the MPCA general permit to Discharge Stormwater Associated with Construction Activity (as of the effective date of the MS4 Permit)? ☐ Yes ☒ No

If you answered **yes** to the above question, proceed to C.

If you answered **no** to either of the above permit requirements listed in A. or B., describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

B: We will update our Storm Water Management Ordinance and other construction site stormwater runoff control regulatory mechanisms to be at least as stringent as the MPCA Construction Stormwater (CSW) permit. We will use the Construction Site Stormwater Runoff Control guidance documents provided by the MPCA to review the City's existing regulatory mechanisms to identify any deficiencies with the Construction Stormwater Permit. We will complete this review and subsequent updates to our regulatory mechanisms within 12 months of the date permit coverage is extended.

- C. Answer **yes** or **no** to indicate whether your regulatory mechanism(s) requires owners and operators of construction activity to develop site plans that incorporate the following erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)), and as listed below:

- | | |
|--|---|
| 1. Best Management Practices (BMPs) to minimize erosion. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. BMPs to minimize the discharge of sediment and other pollutants. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. BMPs for dewatering activities. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Site inspections and records of rainfall events | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5. BMP maintenance | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Management of solid and hazardous wastes on each project site. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 7. Final stabilization upon the completion of construction activity, including the use of perennial vegetative cover on all exposed soils or other equivalent means. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Criteria for the use of temporary sediment basins. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C.4, C.6: We will update our Construction Site Stormwater Runoff Control regulatory mechanism to address items C.4, and C.6 within 12 months of the date permit coverage is extended. This update will likely include an adoption by reference to the City's Surface Water Management Plan (SWMP) in the City's Storm Water Management Ordinance, and text added to the SWMP to more clearly address the deficient items identified above.

Post-construction stormwater management

A. Do you have a regulatory mechanism(s) to address post-construction stormwater management activities?

☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☐ Contract language

☒ Policy/Standards ☐ Permits

☐ Rules

☐ Other, explain: _____

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

- *Storm Water Management Ordinance (Section 1250 in City Code)*

- *Surface Water Management Plan Section 7.2: Flood Control, Section 7.3: Runoff Rate, Section 7.4: Surface Water Quality, Section 7.5: Stormwater Runoff Volume, Section 7.6: Conservation Design (see attached)*

Direct link:

☒ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_PostCSWreg.*

B. Answer **yes** or **no** below to indicate whether you have a regulatory mechanism(s) in place that meets the following requirements as described in the Permit (Part III.D.5.a.):

1. **Site plan review:** Requirements that owners and/or operators of construction activity submit site plans with post-construction stormwater management BMPs to the permittee for review and approval, prior to start of construction activity. ☒ Yes ☐ No

2. **Conditions for post construction stormwater management:** Requires the use of any combination of BMPs, with highest preference given to Green Infrastructure techniques and practices (e.g., infiltration, evapotranspiration, reuse/harvesting, conservation design, urban forestry, green roofs, etc.), necessary to meet the following conditions on the site of a construction activity to the Maximum Extent Practicable (MEP):

a. For new development projects – no net increase from pre-project conditions (on an annual average basis) of: ☐ Yes ☒ No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of Total Suspended Solids (TSS).
- 3) Stormwater discharges of Total Phosphorus (TP).

b. For redevelopment projects – a net reduction from pre-project conditions (on an annual average basis) of: ☐ Yes ☒ No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of TSS.
- 3) Stormwater discharges of TP.

3. **Stormwater management limitations and exceptions:**

a. Limitations

1) Prohibit the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) when the infiltration structural stormwater BMP will receive discharges from, or be constructed in areas: ☐ Yes ☒ No

- a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA.
- b) Where vehicle fueling and maintenance occur.
- c) With less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.
- d) Where high levels of contaminants in soil or groundwater will be mobilized by the infiltrating stormwater.

2) Restrict the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), without higher engineering ☐ Yes ☒ No

review, sufficient to provide a functioning treatment system and prevent adverse impacts to groundwater, when the infiltration device will be constructed in areas:

- a) With predominately Hydrologic Soil Group D (clay) soils.
- b) Within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features.
- c) Within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13.
- d) Where soil infiltration rates are more than 8.3 inches per hour.

- 3) For linear projects where the lack of right-of-way precludes the installation of volume control practices that meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), the permittee's regulatory mechanism(s) may allow exceptions as described in the Permit (Part III.D.5.a(3)(b)). The permittee's regulatory mechanism(s) shall ensure that a reasonable attempt be made to obtain right-of-way during the project planning process. ☐ Yes ☒ No

4. **Mitigation provisions:** The permittee's regulatory mechanism(s) shall ensure that any stormwater discharges of TSS and/or TP not addressed on the site of the original construction activity are addressed through mitigation and, at a minimum, shall ensure the following requirements are met:

- a. Mitigation project areas are selected in the following order of preference: ☐ Yes ☒ No
 - 1) Locations that yield benefits to the same receiving water that receives runoff from the original construction activity.
 - 2) Locations within the same Minnesota Department of Natural Resource (DNR) catchment area as the original construction activity.
 - 3) Locations in the next adjacent DNR catchment area up-stream
 - 4) Locations anywhere within the permittee's jurisdiction.
- b. Mitigation projects must involve the creation of new structural stormwater BMPs or the retrofit of existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP. ☐ Yes ☒ No
- c. Routine maintenance of structural stormwater BMPs already required by this permit cannot be used to meet mitigation requirements of this part. ☐ Yes ☒ No
- d. Mitigation projects shall be completed within 24 months after the start of the original construction activity. ☐ Yes ☒ No
- e. The permittee shall determine, and document, who will be responsible for long-term maintenance on all mitigation projects of this part. ☐ Yes ☒ No
- f. If the permittee receives payment from the owner and/or operator of a construction activity for mitigation purposes in lieu of the owner or operator of that construction activity meeting the conditions for post-construction stormwater management in Part III.D.5.a(2), the permittee shall apply any such payment received to a public stormwater project, and all projects must be in compliance with Part III.D.5.a(4)(a)-(e). ☐ Yes ☒ No

5. **Long-term maintenance of structural stormwater BMPs:** The permittee's regulatory mechanism(s) shall provide for the establishment of legal mechanisms between the permittee and owners or operators responsible for the long-term maintenance of structural stormwater BMPs not owned or operated by the permittee, that have been implemented to meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)). This only includes structural stormwater BMPs constructed after the effective date of this permit and that are directly connected to the permittee's MS4, and that are in the permittee's jurisdiction. The legal mechanism shall include provisions that, at a minimum:

- a. Allow the permittee to conduct inspections of structural stormwater BMPs not owned or operated by the permittee, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the permittee determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance. ☐ Yes ☒ No
- b. Include conditions that are designed to preserve the permittee's right to ensure maintenance responsibility, for structural stormwater BMPs not owned or operated by the permittee, when those responsibilities are legally transferred to another party. ☐ Yes ☒ No
- c. Include conditions that are designed to protect/preserve structural stormwater BMPs and site features that are implemented to comply with the Permit (Part III.D.5.a(2)). If site configurations or structural stormwater BMPs change, causing decreased structural stormwater BMP effectiveness, new or improved structural stormwater BMPs must be implemented to ensure the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) continue to be met. ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within twelve (12) months of the date permit coverage is extended, these permit requirements are met:

B.2 - B.5: We will update our Code of Ordinances to adopt by reference the sections in our currently adopted SWMP that specifically address B.2 - B.5. This will create a direct tie from our Code of Ordinances to the regulatory mechanisms (City policies and standards found in the SWMP) that address the post-construction stormwater management requirements in B.2 to B.5.

B.2.a-b: While our SWMP identifies general goals to reduce runoff volume and TP and TSS loading, however, the requirements of B.2.a, and B.2.b are not described explicitly.

B.3.a.(1)-(2): our SWMP references some limitations and exceptions for infiltration, however, this section will be updated to include the entire list of prohibitions and restrictions in B.3.a.(1)-(2).

B.3.a.(3): We will update our SWMP to include a requirement that specifically addresses the linear project requirements in B.3.a.(3).

B.4.a-f: We will update our SWMP to include a requirement that specifically addresses offsite stormwater mitigation that meets the requirements in B.4.

B.5.a-c: We will update our SWMP to include a requirement that specifically addresses long-term maintenance of structural stormwater BMPs not owned or operated by the City that meets the requirements in B.5.

All of the actions identified above will be completed within 12 months of the date permit coverage is extended.

III. Enforcement Response Procedures (ERPs): (Part II.D.3)

A. Do you have existing ERPs that satisfy the requirements of the Permit (Part III.B.)? ☐ Yes ☒ No

1. If **yes**, attach them to this form as an electronic document, with the following file naming convention: *MS4NameHere_ERPs*.

2. If **no**, describe the tasks and corresponding schedules that will be taken to assure that, with twelve (12) months of the date permit coverage is extended, these permit requirements are met:

We will amend Section 1255 in our Stormwater and Urban Runoff Pollution Control Ordinance to include all of the ERP documentation requirements in Part III.B.2 of the MS4 Permit. We will also review this section to determine if the enforcement mechanisms could be improved or expanded.

We will amend Section 1250 in our Storm Water Management Ordinance to include ERPs for construction site stormwater runoff control that meets the requirements in Part III.B.2 of the MS4 Permit.

We will include a requirement in our SWMP that identifies ERPs for Post-Construction Stormwater Management, including the documentation requirements as identified in Part III.B.2 of the MS4 Permit.

All of the actions identified above will be completed within 12 months of the date permit coverage is extended.

B. Describe your ERPs:

Section 1250.11 in our Storm Water Management Ordinance, the following ERPs are identified:

- Penalty

Sections 1255.10 to 1255.15 in our Stormwater and Urban Runoff Pollution Control Ordinance, the following ERPs are identified:

- Notification of Spills

- Access to Building for Inspection, Monitoring, and/or Dye Testing

- Suspension of Storm Sewer System Access

- Suspension Due to Illicit Discharges in Emergency Situations

- Suspension Due to the Detection of Illicit Discharge

- Enforcement

- Notice of Violation

- Penalty

- Severability

IV. Storm Sewer System Map and Inventory: (Part II.D.4.)

- A. Describe how you manage your storm sewer system map and inventory:

We periodically review our Stormwater System Map and add new infrastructure from past projects. Based on the requirements of the MS4 permit, we need to add additional information to this map.

- B. Answer **yes** or **no** to indicate whether your storm sewer system map addresses the following requirements from the Permit (Part III.C.1.a-d), as listed below:

1. The permittee's entire small MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes. ☒ Yes ☐ No
2. Outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinate. ☒ Yes ☐ No
3. Structural stormwater BMPs that are part of the permittee's small MS4. ☒ Yes ☐ No
4. All receiving waters. ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

- C. Answer **yes** or **no** to indicate whether you have completed the requirements of 2009 Minnesota Session Law, Ch. 172. Sec. 28: with the following inventories, according to the specifications of the Permit (Part III.C.2.a.-b.), including:

1. All ponds within the permittee's jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances. ☒ Yes ☐ No
2. All wetlands and lakes, within the permittee's jurisdiction, that collect stormwater via constructed conveyances. ☒ Yes ☐ No

- D. Answer **yes** or **no** to indicate whether you have completed the following information for each feature inventoried.

1. A unique identification (ID) number assigned by the permittee. ☒ Yes ☐ No
2. A geographic coordinate. ☒ Yes ☐ No
3. Type of feature (e.g., pond, wetland, or lake). This may be determined by using best professional judgment. ☒ Yes ☐ No

If you have answered **yes** to all above requirements, and you have already submitted the Pond Inventory Form to the MPCA, then you do not need to resubmit the inventory form below.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

- E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA on the form provided on the MPCA website at: <http://www.pca.state.mn.us/ms4>, according to the specifications of Permit (Part III.C.2.b.(1)-(3)). Attach with the following file naming convention: *MS4NameHere_inventory*. ☐ Yes ☒ No

If you answered **no**, the inventory form must be submitted to the MPCA MS4 Permit Program within 12 months of the date permit coverage is extended.

V. Minimum Control Measures (MCMs) (Part II.D.5)

A. MCM1: Public education and outreach

1. The Permit requires that, within 12 months of the date permit coverage is extended, existing permittees revise their education and outreach program that focuses on illicit discharge recognition and reporting, as well as other specifically selected stormwater-related issue(s) of high priority to the permittee during this permit term. Describe your **current** educational program, including **any high-priority topics included**:

Our public education and outreach program includes the periodic articles and flyers in our monthly newsletter, periodic stormwater related messages posted on our Facebook page and Twitter account, and periodic publication of stormwater related brochures made available to the public at City Hall.

2. List the categories of BMPs that address your public education and outreach program, including the distribution of educational materials and a program implementation plan. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the U.S. Environmental Protection Agency's (EPA) *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Stormwater related articles	Include at least 4 stormwater articles or flyers annually in the City's monthly newsletter.
Stormwater related brochures	Make at least 1 stormwater related brochures available at City Hall continuously.
30-day public notice for annual stormwater meeting	Publicly notice the annual stormwater meeting at least 30 days prior to the meeting in the local newspaper, on the City's website, and posted at City Hall.
Social media communications	Include at least 4 stormwater related communications annually through the City's social media outlets (City blog, Facebook, and Twitter)
BMP categories to be implemented	Measurable goals and timeframes
Coordinate education and outreach activities with Carver County Education Coordinator	Contract with the Carver County Education Coordinator to provide the City with stormwater related educational materials that meet the requirements of the MS4 permit.
Create a City stormwater webpage	Create a page on our website dedicated to stormwater related information, updates, links, and references. This work will be completed within 12 months of the date permit coverage is extended.
Illicit discharge education and outreach materials	Provide illicit discharge education and outreach materials specific to residents and businesses that will be available at City Hall and mailed out in a utility billing at least once during the permit term.

- Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Public Services Superintendent

B. MCM2: Public participation and involvement

- The Permit (Part III.D.2.a.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement a public participation/involvement program to solicit public input on the SWPPP. Describe your current program:

Our public participation and involvement program includes our annual MS4 stormwater public meeting, an annual Spring clean-up day, and our stormwater hotline for residents to register complaints, report stormwater related violations, or provide input on our stormwater program.

- List the categories of BMPs that address your public participation/involvement program, including solicitation and documentation of public input on the SWPPP. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Annual MS4 stormwater public meeting	Hold an annual meeting for the length of the permit cycle to present our stormwater program and take written or oral comments on this program.
Stormwater hotline	Continue to monitor our hotline for citizens to register complaints regarding erosion and sediment control violations, report illicit discharges or illicit connections, or provide input on our stormwater program. Comments are regularly logged and distributed to the appropriate department.
Spring Cleanup Day	We conduct a household cleanup day annually to allow the

	public to dispose of tires, furniture, scrap metal, wood, appliances, electronics, and other hazardous and non-hazardous waste material.
BMP categories to be implemented	Measurable goals and timeframes
Carver County WMO Presentation	We will invite staff from the Carver County Watershed Management Organization to a public meeting to inform staff, city officials, and the public about news, updates, and programs being offered by the CCWMO. This BMP will occur at least once during the permit term.
SWPPP Availability	Post the City's MS4 Permit Application and SWPPP Document on the City's stormwater webpage.

3. Do you have a process for receiving and documenting citizen input? ☒ Yes ☐ No

If you answered **no** to the above permit requirement, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Public Services Superintendent

C. MCM 3: Illicit discharge detection and elimination

1. The Permit (Part III.D.3.) requires that, within 12 months of the date permit coverage is extended, existing permittees revise their current program as necessary, and continue to implement and enforce a program to detect and eliminate illicit discharges into the small MS4. Describe your current program:

We have a Stormwater and Urban Runoff Pollution Control Ordinance that regulates illicit discharge and connections to our MS4. This ordinance identifies the proper procedure once an illicit discharge or connection is identified, including violations, enforcement, and penalties for non-compliance. Staff in our public works department are trained in proper procedures for inspecting and identifying illicit discharges and connections during dry-weather inspections.

2. Does your Illicit Discharge Detection and Elimination Program meet the following requirements, as found in the Permit (Part III.D.3.c.-g.)?

- Incorporation of illicit discharge detection into all inspection and maintenance activities conducted under the Permit (Part III.D.6.e.-f.) Where feasible, illicit discharge inspections shall be conducted during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation). ☒ Yes ☐ No
- Detecting and tracking the source of illicit discharges using visual inspections. The permittee may also include use of mobile cameras, collecting and analyzing water samples, and/or other detailed procedures that may be effective investigative tools. ☒ Yes ☐ No
- Training of all field staff, in accordance with the requirements of the Permit (Part III.D.6.g.(2)), in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. ☐ Yes ☒ No
- Identification of priority areas likely to have illicit discharges, including at a minimum, evaluating land use associated with business/industrial activities, areas where illicit discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge. ☐ Yes ☒ No
- Procedures for the timely response to known, suspected, and reported illicit discharges. ☐ Yes ☒ No
- Procedures for investigating, locating, and eliminating the source of illicit discharges. ☐ Yes ☒ No
- Procedures for responding to spills, including emergency response procedures to prevent spills from entering the small MS4. The procedures shall also include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. § 115.061. ☐ Yes ☒ No
- When the source of the illicit discharge is found, the permittee shall use the ERPs required by the Permit (Part III.B.) to eliminate the illicit discharge and require any needed corrective action(s). ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C.2.c: we will update our illicit discharge and inspection program to include training of all field staff, in accordance with the requirements of the MS4 Permit.

C.2.d: we will update our illicit discharge and inspection program to identify priority areas likely to have illicit discharges. This identification process will evaluate land use associated with business/industrial activities, areas where illicit

discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge.

C.2.e: we will update our illicit discharge and inspection program to identify a formal procedure for responding to known, suspected, and reported illicit discharges.

C.2.f: we will update our illicit discharge and inspection program to develop procedures for investigating, locating, and eliminating the source of illicit discharges.

C.2.g: we will update our illicit discharge and inspection program to identify procedures for responding to spills, including emergency response procedures to prevent spills from entering our MS4. This procedure will include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat, 115.061.

All of these actions will be completed within 12 months of the date permit coverage is extended.

3. List the categories of BMPs that address your illicit discharge, detection and elimination program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Stormwater system map	Regularly update our existing stormwater system map to include new infrastructure from the past.
Stormwater and Urban Runoff Pollution Control ordinance	Continue to enforce our existing Stormwater and Urban Runoff Pollution Control ordinance, which regulates illicit discharges and connections, and illegal disposal and dumping.
Inspections	Continue to inspect and document illicit discharge and connection inspections during dry-weather conditions. We will continue to document all inspections, results, and actions necessary to eliminate the illicit discharge or connection.
Training	Continue our regular City staff training on the types of potentially illicit discharges, connections, and common illegal dumping within the City and how to identify them.
BMP categories to be implemented	Measurable goals and timeframes
Illicit discharge information and reporting	Include illicit discharge information on our stormwater webpage, including the stormwater hotline number for reporting illicit discharges or connections. This work will be completed within 12 months of the date permit coverage is extended.
Potential illicit discharge prioritization map	Create a map identifying priority areas and outfalls in these areas that should be inspected more frequently. This work will be completed within 12 months of the date permit coverage is extended.
High Priority Inspections	High priority areas and high priority outfalls will be inspected twice during the permit term.
Documentation	We will modify our current inspection forms to include documentation requirements that meet the documentation requirements in the MS4 permit, within 12 months of the date permit coverage is extended.
Ordinance updates	Revise our Stormwater and Urban Runoff Pollution Control Ordinance as necessary to meet MS4 permit requirements within 12 months of the date permit coverage is extended.

4. Do you have procedures for record-keeping within your Illicit Discharge Detection and Elimination (IDDE) program as specified within the Permit (Part III.D.3.h.)? ☐ Yes ☒ No

If you answered **no**, indicate how you will develop procedures for record-keeping of your Illicit Discharge, Detection and Elimination Program, within 12 months of the date permit coverage is extended:

We will update our illicit discharge and connection program to include the documentation requirements identified in the MS4 permit Part III.D.3.h. within 12 months of the date permit coverage is extended.

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this

MCM:

Public Services Superintendent

D. MCM 4: Construction site stormwater runoff control

1. The Permit (Part III.D.4) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a construction site stormwater runoff control program. Describe your current program:

We have a Storm Water Management ordinance that regulates land disturbing activity. The ordinance describes application submittal requirement and the permit review and approval process. City staff or a designated agent will continue to perform construction site ESC inspections for land disturbing activity in the City. We have a site plan review procedure in place to determine if an application meets City requirements. Prior to land disturbing activities, we hold a preconstruction meeting to discuss stormwater runoff, ESC BMPs, construction staging, and other issues associated with grading activities.

2. Does your program address the following BMPs for construction stormwater erosion and sediment control as required in the Permit (Part III.D.4.b.):
- a. Have you established written procedures for site plan reviews that you conduct prior to the start of construction activity? ☒ Yes ☐ No
 - b. Does the site plan review procedure include notification to owners and operators proposing construction activity that they need to apply for and obtain coverage under the MPCA's general permit to *Discharge Stormwater Associated with Construction Activity No. MN R100001*? ☐ Yes ☒ No
 - c. Does your program include written procedures for receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public to the permittee? ☐ Yes ☒ No
 - d. Have you included written procedures for the following aspects of site inspections to determine compliance with your regulatory mechanism(s):
 - 1) Does your program include procedures for identifying priority sites for inspection? ☐ Yes ☒ No
 - 2) Does your program identify a frequency at which you will conduct construction site inspections? ☐ Yes ☒ No
 - 3) Does your program identify the names of individual(s) or position titles of those responsible for conducting construction site inspections? ☐ Yes ☒ No
 - 4) Does your program include a checklist or other written means to document construction site inspections when determining compliance? ☒ Yes ☐ No
 - e. Does your program document and retain construction project name, location, total acreage to be disturbed, and owner/operator information? ☒ Yes ☐ No
 - f. Does your program document stormwater-related comments and/or supporting information used to determine project approval or denial? ☒ Yes ☐ No
 - g. Does your program retain construction site inspection checklists or other written materials used to document site inspections? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

D.2.b: we will update our construction stormwater program to include a notification to permit applicants that they may need to obtain Construction Stormwater Permit coverage.

D.2.c: we will update our construction stormwater program to develop written procedures for the receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public to the City.

D.2.d.1): we will update our construction site stormwater runoff control program to include a procedure to identify priority sites for inspection.

D.2.d.2): we will update our construction site stormwater runoff control program to identify construction site inspection frequencies.

D.2.d.3): we will update our construction site stormwater runoff control program to identify position titles of those responsible for conducting construction site inspections.

All of these actions will be completed within 12 months of the date permit coverage is extended.

3. List the categories of BMPs that address your construction site stormwater runoff control program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key

after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Ordinance	Continue to enforce existing Storm Water Management Ordinance.
Plan review process	Continue to implement our plan review procedures.
Inspections	Continue weekly inspections (or following a 0.5-inch rainfall event) for all active construction projects during the growing season.
Preconstruction meeting	Prior to land disturbing activity requiring City approval, we will continue to hold a pre-construction meeting.
BMP categories to be implemented	Measurable goals and timeframes
Ordinance updates	Revise our Storm Water Management ordinance as necessary to meet MS4 permit requirements within 12 months of the date permit coverage is extended.
Plan review checklist	Create a plan review checklist that clearly states submittal requirements and identifies that applicants may need to obtain NPDES Construction Stormwater Permit coverage. This checklist will be developed within 12 months of the date permit coverage is extended.
Prioritize project inspections	Develop criteria by which projects are identified as "priority projects" due to factors such as: steep slopes, proximity to sensitive receiving waters, etc. Priority projects will be emphasized in our review process and during our regular ESC inspections. This criteria will be developed within 12 months of the date permit coverage is extended.

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Public Services Superintendent

E. MCM 5: Post-construction stormwater management

1. The Permit (Part III.D.5.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a post-construction stormwater management program. Describe your current program:

We have a Surface Water Management ordinance in place. Our plan reviews follow the City's stormwater design standards found in our Surface Water Management Plan.

2. Have you established written procedures for site plan reviews that you will conduct prior to the start of construction activity? ☒ Yes ☐ No
3. Answer **yes** or **no** to indicate whether you have the following listed procedures for documentation of post-construction stormwater management according to the specifications of Permit (Part III.D.5.c.):
- a. Any supporting documentation that you use to determine compliance with the Permit (Part III.D.5.a), including the project name, location, owner and operator of the construction activity, any checklists used for conducting site plan reviews, and any calculations used to determine compliance? ☒ Yes ☐ No
- b. All supporting documentation associated with mitigation projects that you authorize? ☐ Yes ☒ No
- c. Payments received and used in accordance with Permit (Part III.D.5.a.(4)(f))? ☐ Yes ☒ No
- d. All legal mechanisms drafted in accordance with the Permit (Part III.D.5.a.(5)), including date(s) of the agreement(s) and names of all responsible parties involved? ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the steps that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

E.3.b: we will update our post construction stormwater management program to include the documentation requirements for any stormwater mitigation projects deemed acceptable by the City.

E.3.c: we will update our post construction stormwater management program to include a procedure for how funds are collected and spent from a pay-in-lieu of constructing stormwater BMPs.

E.3.d: we will update our post construction stormwater management program to identify long term maintenance requirements for BMPs not owned or operated by the City.

All of these activities will be completed within 12 months of the date permit coverage is extended.

4. List the categories of BMPs that address your post-construction stormwater management program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Ordinance	Continue to enforce existing Surface Water Management ordinance.
Stormwater design standards	Our Surface Water Management Plan includes stormwater design requirements and references to Carver County Watershed Management Organization rules to guide the installation of stormwater BMPs aimed at reducing pollutant loads from new, redevelopment, and linear projects.
Plan review process	Continue to implement our plan review procedures.

BMP categories to be implemented	Measurable goals and timeframes
Ordinance updates	Revise our Surface Water Management ordinance as necessary to meet MS4 permit requirements within 12 months of the date permit coverage is extended. This will include an updated reference to the design standards in the City's Surface Water Management Plan.
Stormwater design standards update	Within 12 months of the date permit coverage is extended, update City stormwater design standards included in our Surface Water Management Plan to be consistent with the requirements of the MS4 permit.
BMP long term maintenance procedure	Within 12 months of the date permit coverage is extended, we will develop a procedure for filing and tracking BMP long term maintenance agreements
Plan review checklist	Create a plan review checklist that clearly states submittal requirements and stormwater design standards consistent with the MS4 permit. This checklist will be developed within 12 months of the date permit coverage is extended.

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Public Services Superintendent

F. MCM 6: Pollution prevention/good housekeeping for municipal operations

1. The Permit (Part III.D.6.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement an operations and maintenance program that prevents or reduces the discharge of pollutants from the permittee owned/operated facilities and operations to the small MS4. Describe your current program:

We inspect all city owned and maintained structural pollution control devices annually and city owned and maintained ponds and outfalls at a minimum 20% per year. We inspect stockpiles, storage and handling areas annually and sweep City streets at least bi-annually. Maintenance staff are trained periodically on the following practices:

- Proper handling and storage of hazardous waste
- Proper handling, storage, and application procedures for municipallandscaping and lawn care practices
- Spill response
- MS4 system inspection and maintenance

2. Do you have a facilities inventory as outlined in the Permit (Part III.D.6.a.)?

☐ Yes ☒ No

3. If you answered **no** to the above permit requirement in question 2, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

We will prepare a facilities inventory as outlines in the MS4 permit Part III.D.6.a. and complete this inventory within 12 months of the date permit coverage is extended.

4. List the categories of BMPs that address your pollution prevention/good housekeeping for municipal operations program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. For an explanation of measurable goals, refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Structural stormwater BMPs, pond, and outfall inspections	Continue to inspect Structural stormwater BMPs annually, and ponds and outfalls at least once within the permit term. We use an inspection form that meets the documentation requirements in the MS4 permit.
Street sweeping	Continue sweeping City streets at least annually.
Staff training	Continue regular training of staff covering a variety of stormwater related topics as identified above.
Stormsewer and inlet maintenance program	Continue current stormsewer and inlet inspection and maintenance program
BMP categories to be implemented	Measurable goals and timeframes
Stockpile, and storage and handling area inspections	Increase current inspection frequency to quarterly inspections of City owned and operated stockpiles, and storage and material handling areas.
Facilities inventory	Complete a facilities inventory of City owned and operated facilities within 12 months of the date permit coverage is extended.
Pond assessment	Relying on the guidance provided by the MPCA, we will develop a procedure for determining the TP and TSS treatment effectiveness of City owned ponds within the length of permit term.

5. Does discharge from your MS4 affect a Source Water Protection Area (Permit Part III.D.6.c.)? ☒ Yes ☐ No

a. If **no**, continue to 6.

b. If **yes**, the Minnesota Department of Health (MDH) is in the process of mapping the following items. Maps are available at <http://www.health.state.mn.us/divs/eh/water/swp/maps/index.htm>. Is a map including the following items available for your MS4:

- 1) Wells and source waters for drinking water supply management areas identified as vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330? ☒ Yes ☐ No
- 2) Source water protection areas for surface intakes identified in the source water assessments conducted by or for the Minnesota Department of Health under the federal Safe Drinking Water Act, U.S.C. §§ 300j – 13? ☒ Yes ☐ No

c. Have you developed and implemented BMPs to protect any of the above drinking water sources? ☒ Yes ☐ No

6. Have you developed procedures and a schedule for the purpose of determining the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for the collection and treatment of stormwater, according to the Permit (Part III.D.6.d.)? ☐ Yes ☒ No

7. Do you have inspection procedures that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds and outfalls, and stockpile, storage and material handling areas? ☐ Yes ☒ No

8. Have you developed and implemented a stormwater management training program commensurate with each employee's job duties that:

- a. Addresses the importance of protecting water quality? ☐ Yes ☒ No
- b. Covers the requirements of the permit relevant to the duties of the employee? ☐ Yes ☒ No
- c. Includes a schedule that establishes initial training for new and/or seasonal employees and recurring training intervals for existing employees to address changes in procedures, practices, techniques, or requirements? ☐ Yes ☒ No

9. Do you keep documentation of inspections, maintenance, and training as required by the Permit (Part III.D.6.h.(1)-(5))? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements listed in **Questions 5 – 9**, then describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

6. *We will develop procedures for determining the TP and TSS treatment effectiveness of City owned ponds.*

7. *We inspect structural stormwater BMPs annually, and ponds and outfalls once within the permit cycle. However, we are currently only inspecting stockpile, storage and material handling areas annually. This will be changed to quarterly to meet the MS4 Permit requirements.*

8. *We have an employee stormwater training program, however, we will improve our training program to meet the requirements of the MS4 Permit, specifically items 8a, 8b, and 8c identified above.*

We will complete these tasks within 12 months of the date permit coverage is extended.

10. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Public Services Superintendent

VI. Compliance Schedule for an Approved Total Maximum Daily Load (TMDL) with an Applicable Waste Load Allocation (WLA) (Part II.D.6.)

- A. Do you have an approved TMDL with a Waste Load Allocation (WLA) prior to the effective date of the Permit? ☒ Yes ☐ No

1. If **no**, continue to section VII.

2. If **yes**, fill out and attach the MS4 Permit TMDL Attachment Spreadsheet with the following naming convention: *MS4NameHere_TMDL*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VII. Alum or Ferric Chloride Phosphorus Treatment Systems (Part II.D.7.)

- A. Do you own and/or operate any Alum or Ferric Chloride Phosphorus Treatment Systems which are regulated by this Permit (Part III.F.)? ☐ Yes ☒ No

1. If **no**, this section requires no further information.

2. If **yes**, you own and/or operate an Alum or Ferric Chloride Phosphorus Treatment System within your small MS4, then you must submit the Alum or Ferric Chloride Phosphorus Treatment Systems Form supplement to this document, with the following naming convention: *MS4NameHere_TreatmentSystem*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VIII. Add any Additional Comments to Describe Your Program

TMDL Wasteload Allocation Excel Spreadsheet PART II.D.6.a.-e.

Copy and paste from the Master List MS4 TMDL Spreadsheet for your MS4 to the space below.

*Attach this completed form with your SWPPP Document at the time of submittal. At a **minimum**, provide all of the information "*" items (TMDL Project Name, Type of WLA, Numeric WLA, Unit, Flow Condition, and Pollutant of Concern).*

Permittee name	Preferred ID	TMDL project name*	Waterbody ID	Type of WLA*	Numeric WLA*	Unit*	Percent reduction	Flow condition*	Waterbody name	Pollutant of concern*	Date approved
Carver City	MS400077	Carver Creek Turbidity TMDL	07020012-516	Individual	39.8	kg/day	0%	High	Carver Creek	TSS	9/26/2012
Carver City	MS400077	Carver Creek Turbidity TMDL	07020012-516	Individual	12.4	kg/day	0%	Moist	Carver Creek	TSS	9/26/2012
Carver City	MS400077	Carver Creek Turbidity TMDL	07020012-516	Individual	4.1	kg/day	0%	Mid-Range	Carver Creek	TSS	9/26/2012
Carver City	MS400077	Carver Creek Turbidity TMDL	07020012-516	Individual	1.4	kg/day	0%	Dry	Carver Creek	TSS	9/26/2012
Carver City	MS400077	Carver Creek Turbidity TMDL	07020012-516	Individual	0.2	kg/day	0%	Low	Carver Creek	TSS	9/26/2012

Compliance Schedule PART II.D.6.f.-g.

Is your MS4 currently meeting its WLA for any approved TMDLs?

- ☐ NO (Complete Table 1, Strategies for continued BMP implementation beyond the term of this permit, and Table 2 below)
- ☒ YES (Provide the following information below)

Go to:

[Table 1](#)

Go to:

[Strategies...](#)

Go to:

[Table 2](#)

If YES, indicate the WLAs (may be grouped by TMDL Project) you believe are reasonably being met. For each WLA, list the implemented BMPs and provide a narrative strategy for the long-term continuation of meeting each WLA. PART II.D.6.g.(1)-(2)

The Carver Creek Turbidity TMDL does not call for a reduction in loading from the City of Carver; therefore we are currently meeting all applicable WLAs associated with the Carver Creek Turbidity TMDL. We will continue to maintain at least the same level of treatment to ensure continues compliance with this provision of the MS4 General Permit.

the property owner may not commence construction of the improvement until the City of Carver building official has staked such setback.

1250.10 Lawn fertilizer regulations

- A. Use of impervious surfaces. No person shall apply fertilizer to or deposit grass clippings, leaves or other vegetative materials on impervious surfaces, or within storm water drainage systems, natural drainage ways, or within wetland buffer areas.
- B. Unimproved land areas. Except for driveways, sidewalks, patios, areas occupied by structures or areas which have been improved by landscaping, all areas shall be covered by plans or vegetative growth.
- C. Fertilizer content. Except for the first growing season for newly established turf areas, no person shall apply liquid fertilizer which contains more than one-half percent by weight of phosphorus, or granular fertilizer which contains more than three percent by weight of phosphorus, unless the single application is less than or equal to one-tenth pound of phosphorus per one thousand square feet. Annual application amount shall not exceed one half pound of phosphorus per one thousand square feet of lawn area.
- D. Buffer zone. Fertilizer applications shall not be made within one rod (16.5 feet) of wetland or water resource. (this distance is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991.)

1250.11 Penalty. Any person, firm or corporation violating any provision of this ordinance shall be fined not less than five dollars nor more than five hundred dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

1250.12 Other controls. In the event of any conflict between the provisions of an erosion control or shoreland protection ordinance adopted by the City Council, the more restrictive standard prevails.

1250.13 Severability. The provisions of this ordinance are severable. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provision or application.

Section 1255 Stormwater and Urban Runoff Pollution Control

1255.01 Intent. To promote the health, safety and general welfare of the citizens of Carver, Minnesota by requiring illicit discharge and illicit connection management practices for all discharge activities.

1255.02 Statutory Authorization. These regulations are adopted pursuant to Minnesota Statutes Section 462.351.

1255.03 Findings. The City of Carver hereby finds that non-storm water discharges to the City's municipal separated storm sewer system (MS4) are subject to higher levels of pollutants which enter receiving water bodies adversely affecting the public health, safety and general welfare by impacting water quality, creating nuisances, impairing other beneficial uses of environmental resources and hindering the ability of the City of Carver to provide adequate water, sewage, flood control and other community services.

1255.04 Purpose. The purpose of this Section is to promote, preserve and enhance the natural resources within the City of Carver and protect them from adverse effects occasioned by non-storm water discharges by regulating illicit discharges and connections that would have an adverse and potentially irreversible impact on water quality and environmentally sensitive land.

1255.05 Definitions. For the purpose of this Section, the following terms, phrases, and words shall have the meaning stated below. When inconsistent with the context, words used in the present tense including the future tense, words in the plural include the singular, and words in the singular include the plural. The word "shall" is always mandatory and not merely directive.

A. Best Management Practice (BMP). Sediment and erosion control and storm water management practices used to mitigate adverse effects of land use activities, runoff, sedimentation, and non-point source pollution on stream bank erosion, stream hydrology, surface and groundwater replenishment.

B. City. The City of Carver.

C. City Codes. All Ordinances adopted by the Carver City Council as amended from time to time, and collectively known as the City of Carver Code of ordinances.

D. Discharge. Adding, introducing, releasing, leaking, spilling, casting, throwing or emitting any pollutant, or placing any pollutant in a location where it is likely to pollute waters of the state.

E. Erosion. The process by which ground surface is worn away by action of wind, water, ice or gravity.

F. Groundwater. Water contained below the ground surface in the saturated zone including, without limitation, all waters whether under confined, unconfined or perched conditions, in near surface unconsolidated sediment, or in rock formations deeper underground.

G. Illicit Connection. Defined as either of the following:

1. Any drain or conveyance, whether on the surface or subsurface, which allows an illicit discharge to enter the storm sewer system including any non-storm water discharge such as sewage, processed wastewater and wash water and any connections

to the storm drain system from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted or approved by an authorized enforcement agency, or

2. Any drain or conveyance connected from a residential, commercial or industrial land use to the storm drain system which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency.

H. Illicit Discharge. Any direct or indirect non-storm water discharge to the storm sewer system, except as exempted in Section 1255.07.

I. MPCA. The Minnesota Pollution Control Agency.

J. Municipal Separate Storm Sewer System (MS4). The system of conveyances (including sidewalks, roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) owned or operated by the City and designed or used for collecting or conveying storm water and which is not used for collecting or conveying sewage.

K. NPDES. The National Pollutant Discharge Elimination System. The program for issuing, modifying, revoking, reissuing, terminating, monitoring and enforcing permits under the Clean Water Act (Sections 301, 318, 402 and 405) and United States Code of Federal Regulations Title 33, Section 1317, 1328, 1342 and 1345 authorizing the discharge of pollutants to water of the United States.

L. Person. Any individual, firm, corporation, partnership, franchise, association or governmental entity.

M. Pollutant. Any substance which, when discharged, has potential to or does: interfere with state designated water uses; obstruct or cause damage to waters of the state; change water color, odor or usability as a drinking water source through causes not attributable to natural stream processes affecting surface water or subsurface processes affecting groundwater; add an unnatural surface film on the water; adversely change other chemical, biological, thermal or physical conditions, in any surface water or stream channel; degrade the quality of ground; or harm human life, aquatic life, or terrestrial plant and wildlife. Pollutant includes dredged soil, solid waste, garbage, wastewater, wastewater sludge, chemical waste, biological materials, radioactive materials, rock sand, dust, industrial waste, sediment, nutrients, toxic substances, pesticide, herbicide, trace metal, automotive fluid, petroleum-based substance and oxygen-demanding material.

N. Pollute. To discharge pollutants into waters of the state.

O. Pollution. The direct or indirect distribution of pollutants into waters of the state.

P. State. The State of Minnesota.

Q. State Designated Water Uses. Uses specified in state water quality standards.

R. Storm Sewer System. A conveyance or system of conveyances that is owned or operated by the City or other entity and designed or used for collecting or conveying storm water.

S. Storm Water. As defined under Minnesota rule 7077.0105, subpart 41(b), as Amended from time to time, means “precipitation runoff, storm water runoff, snow melt runoff and any other surface runoff and drainage.”

T. Surface Waters. All waters of the state other than ground waters, which include Ponds, lakes, rivers, streams, wetlands, public ditches, and public drainage systems Except those designed and used to collect, convey or dispose of sanitary sewage.

U. Waters of the State. As defined in Minnesota Statute 115.01, Subdivision 22, as Amended from time to time, are “all streams, lakes, ponds, marshes, watercourses, Waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems And all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through or border upon the state or any portion thereof”.

1255.06 Illegal Disposal and Dumping

A. No person shall throw, deposit, place, leave, maintain, or keep any substance upon any street, alleyway, sidewalk, storm drain, inlet, catch basin conduit or drainage structure, business place, or upon any public or private plot of land, so that the same might be or become a pollutant, except in containers, recycling bags, or other lawfully established waste disposal facility.

B. No person shall intentionally dispose of grass, leaves, dirt or landscape material into a water resource, buffer, street, road, alley, catch basin, culvert, curb, gutter, inlet, ditch, natural watercourse, flood control channel, canal, storm drain or any natural conveyance.

1255.07 Illicit discharges and Connections

A. No person shall cause any illicit discharge to enter the storm sewer system or any surface water unless such discharge:

1. Consists of non-storm water that is authorized by an NPDES permit obtained from the MPCA or a federal agency;
2. Is associated with fire fighting activities or other activities necessary to protect public health and safety; or
3. Is one of the following exempt discharges: water line flushing or other potable water sources, landscaping irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not

including

active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wetland flows, dechlorinated swimming pools and any other water source not containing pollutants.

- B. Dye testing is an allowable discharge, but requires a verbal notification to the City prior to the time of the test.
- C. No person shall use any illicit connection to intentionally convey non-storm water to the City's storm sewer system.
- D. The construction, use, maintenance or continued existence of illicit connections to the storm sewer system is prohibited. This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.
- E. A person is considered to be in violation of this Section if the person connects a line conveying sewage to the storm sewer system, or allows such a connection to continue.

1255.08 Good Housekeeping Provisions

Any owner or occupant of property within the City shall comply with the following good housekeeping requirements;

- A. No person shall leave, deposit, discharge, dump, or otherwise expose any Chemical or septic waste in an area where discharge to streets or storm sewer system may occur. This section shall apply to both actual and potential discharges.
 - 1. Individual septic systems must be maintained to prevent failure, which has the potential to pollute surface water.
 - 2. Recreational vehicle sewage shall be disposed to a proper sanitary waste facility. Waste should not be discharged in an area where drainage to streets or storm sewer system may occur.
 - 3. For pools, water should be allowed to sit seven (7) days without the addition of chlorine to allow for chlorine to evaporate before discharge.
 - 4. Mobile washing companies (carpet cleaning, mobile vehicle washing, etc.) shall dispose of wastewater to the sanitary sewer. Wastewater should not be discharged where drainage to streets or storm system may occur.
- B. Runoff of water from the washing down of paved areas in commercial or industrial property is prohibited unless necessary for health or safety purposes and not in violation of any other provisions of City Codes.
- C. Storage of materials, machinery and equipment:
 - 1. Objects, such as motor vehicle parts containing grease, oil or other hazardous substances, and unsealed receptacles containing hazardous materials shall not be

stored in areas susceptible to runoff.

2. Any machinery or equipment that is to be repaired or maintained in areas susceptible to runoff shall be placed in a confined area to contain leaks, spills, or discharges.

D. Debris and residue shall be removed, as noted below:

1. All motor vehicle parking lots and private streets shall be swept, at a minimum of once a year in the spring to remove debris. Such debris shall be collected and properly disposed.

2. Fuel and chemical residue or other types of potentially harmful materials, such as animal waste, garbage or batteries shall be removed as soon as possible and disposed of properly. Household hazardous waste may be disposed of through the county collection program or at any other appropriate disposal site and shall not be placed in a trash container.

1255.09 Industrial Activity Discharges. Any person subject to an industrial activity NPDES storm water discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the City prior to the following discharges to the storm sewer system. All facilities that have storm water discharges associated with industrial activity must adhere to the following guidelines:

A. Any person responsible for a property or premise, which is, or may be, the source of an illicit discharge, may be required to implement, at said person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the storm sewer system. These BMPs shall be part of a storm water pollution prevention plan (SWPPP) as necessary for compliance with requirements of the NPDES permit.

1255.10 Notification of Spills. Notwithstanding other requirements of law, as soon as any responsible for a facility or operation, or responsible for emergency response for a facility or operation, has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into the storm sewer, or water of the state, said person shall take all necessary steps to ensure the discover, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the City no later than the next business day.

1255.11 Access to Building for Inspection, Monitoring, and/or Dye Testing.

A. The City shall be permitted to enter and inspect all buildings as often as may be necessary to determine compliance with this Section.

B. Facility operators shall allow the City ready access to all parts of the premises for the purposes of inspection, sampling, dye testing, examination and copying of records that relate to the discharge of storm water.

C. The City shall have the right to set up at any building, such devices as are necessary to Conduct monitoring, sampling and/or dye testing of the facility's storm water discharge.

D. The City has the right to require the discharger to install monitoring equipment as necessary.

E. Unreasonable delays in allowing the City access to a facility is a violation of this Section.

F. If the City has been refused access to any part of the premises from which storm water is discharged, and is able to demonstrate probable cause to believe that there may be a violation of this section, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this Section or any order issued hereunder, or to protect the overall public health, safety and welfare of the community, then the City may seek issuance of a search warrant from any court of competent jurisdiction.

1255.12 Suspension of Storm Sewer System Access

A. Suspension Due to Illicit Discharges in Emergency Situations

The City may, without prior notice, suspend storm sewer system discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the storm sewer system or waters of the state. If the violator fails to comply with a suspension order issued in an emergency, the City may take such steps as deemed necessary to prevent or minimize damage to the storm sewer system or waters of the state, or to minimize danger to persons.

B. Suspension Due to the Detection of Illicit Discharge

Any person discharging to the storm sewer system in violation of this Section may have their storm sewer system access terminated if such termination would abate or reduce an illicit discharge. A person commits an offense if the person reinstates storm sewer system access to premises terminated pursuant to this section, without the prior approval of the City.

1255.13 Enforcement

A. Notice of Violation

Whenever the City finds that a person has violated a prohibition or failed to meet a requirement of this Section, the City may order compliance by written notice of violation to the responsible person. Such notice may require without limitation:

1. The performance of monitoring, analyses and reporting;
2. The elimination of illicit connections or discharges;
3. That violating discharges, practices, or operations shall cease and desist;
4. The abatement or remediation of storm water pollution or contamination hazards

and the restoration of any affected property and,

5. Payment of a fine to cover administrative and remediation costs and,
6. The implementation of source control or treatment BMPs.

B. If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work will be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

C. If the bill received for abatement and/or restoration is not paid within thirty (30) days, the City may draw the amount of the bill from any financial guarantees the City may hold or may assess the property from which the offense originated. After notice and hearing as provided pursuant to Minnesota Statutes Section 429.061, the City Council may then spread the charges against the property benefited as a special assessment under Minnesota Statutes Section 429.101 for certification to the County Auditor and collection along with the current taxes the following year or in annual installation not exceeding ten (10) years as the Council may determine in each case.

1255.14 Penalty. The offending party may be issued an administrative citation for the unsatisfactory condition at the time written notice of violation is given. The city may also enforce Minnesota Statute 169.42 with the maximum penalty for a misdemeanor as prescribed by law.

1255.15 Severability. The provisions of this Section are severable. If any provision of this Section or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this Section which can be given effect with the invalid provisions or application.

Section 1260 - Bluff Protection

1260.01 Statement of Intent. Development, excavation, clear cutting and other activities within the bluff and the bluff setback area may result in increased dangers of erosion, increased visibility to surrounding properties and thereby endanger the natural character of the land and jeopardize the health, safety, and welfare of the citizens of the city. To preserve the character of the bluff and the bluff setback area within the city, alteration to land or vegetation within will not be permitted except as regulated by this article and by the regulations of the underlying zoning district where the property is located.

1260.02 Bluff. The bluff is to be determined utilizing the process outlined in Section 1260.12.

1260.03 Tier I Buffer. The Tier I buffer consists of the bluff and a 25-foot buffer immediately surrounding the bluff.

- I. The filling of pools or spas from the fire hydrants or other public facilities is prohibited.
- J. Violation of this Ordinance Section shall be punished as a misdemeanor under the laws of the State of Minnesota.

Section 1250 - Storm Water Management Ordinance

1250.01 Intent. To promote the health, safety and general welfare of the citizen of Carver, Minnesota, by requiring storm water management practices.

1250.02 Statutory Authorization. This ordinance is adopted pursuant to Minnesota Statutes Section (462.351 for cities and towns, 394.21 for counties having a population of less than 300,000 according to the 1950 federal census) (1990).

1250.03 Findings. The City of Carver hereby finds that uncontrolled and inadequately planned use of wetlands, woodlands, natural habitat areas, are subject to soil erosion and areas containing restrictive soils adversely affects the public health, safety and general welfare by impacting water quality and contributing to other environmental problems, creating nuisances, impairing other beneficial uses of environmental resources and hindering the ability of the City of Carver to provide adequate water, sewage, flood control and other community services. In addition, extraordinary public expenditures may be required for the protection of persons and property in such areas which may be affected by unplanned land usage.

1250.04 Purpose. The purpose of the ordinance is to promote, preserve and enhance the natural resources within the City of Carver and protect them from adverse effects occasioned by poorly sited development or incompatible activities by regulating land disturbing or development activities that would have an adverse and potentially irreversible impact on water quality and unique and fragile environmentally sensitive land; by minimizing conflicts and encouraging compatibility between land disturbing and development activities and water quality and environmentally sensitive lands; and by requiring detailed review standards and procedures for land disturbing or development activities proposed for such areas, thereby achieving a balance between urban growth and development and protection of water quality and natural areas.

1250.05 Definitions. For the purpose of this ordinance, the following terms, phrases, words and their derivatives shall have the meaning stated below. When not inconsistent with the context, words used in the present tense include the future tense, words in the plural number includes the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directive.

A. Applicant. Any person who wishes to obtain a building permit, zoning or subdivision approval.

B. Control measure. A practice or combination of practices to control erosion and attendant pollution.

C. Detention facility. A permanent natural or man-made structure, including wetlands, for the temporary storage of run off which contains a permanent pool of water.

- D. Flood fringe. The portion of the floodplain outside of the floodway.
- E. Floodplain. The areas adjoining a watercourse or water basin that have been or may be covered by a regional flood.
- F. Floodway. The channel of the watercourse, the bed of water basins, and those portions of the adjoining floodplains that are reasonably required to carry and discharge floodwater and provide water storage during a regional flood.
- G. Hydric soils. Soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part.
- H. Hydrophytic vegetation. Macrophytic plant life growing in water, soil or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content.
- I. Land disturbing or development activities. any change of the land surface including removing vegetative cover, excavating, filling, grading and the construction of any structure.
- J. Person. Any individual, firm, corporation, partnership, franchise, association or governmental entity.
- K. Public waters. Waters of the state as defined in Minnesota Statutes, Section 103G.00S, subdivision 15.
- L. Regional flood. A flood that is representative of large floods known to have occurred generally in the state and reasonably characteristic of what can be expected to occur on an average frequency in the magnitude of a 100-year recurrence interval.
- M. Retention facility. A permanent natural or man made structure that provides for the storage of storm water runoff by means of a permanent pool of water.
- N. Sediment. Solid matter carried by water, sewage, or other liquids.
- O. Structure. Anything manufactured, constructed or erected which is normally attached to or positioned on land, including portable structures, earthen structures, roads, parking lots, paved storage areas, fences and retaining walls.
- P. Wetlands. Lands transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. For purposes of this definition, wetlands must have the following three attributes:
1. Have a predominance of Hydric soils;

2. Are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of Hydrophytic vegetation typically adapted for life in saturated soil conditions; and
3. Under normal circumstances support a prevalence of such vegetation.

1250.06 Scope and effect.

A. Applicability. Every applicant for a building permit, subdivision approval, or a permit to allow land disturbing activities must submit a storm water management plan to the Zoning Administrator. No building permit, subdivision approval, or permit to allow land disturbing activities shall be issued until approval of the storm water management plan or a waiver of the approval requirement has been obtained in strict conformance with the provisions of this ordinance. The provisions of Section 1250.10 of this ordinance apply to all land, public or private.

B. Exemptions. The provisions of this ordinance do not apply to:

1. Any part of a subdivision if a plat for the subdivision has been approved by the City Council on or before the effective date of this ordinance;
2. Any land disturbing activity for which plans have been approved by the Carver Creek Watershed and the Lower Minnesota River Watershed management organizations within six months prior to the effective date of this ordinance;
3. A lot for which a building permit has been approved on or before the effective date of this ordinance;
4. Installation of fence, sign, telephone, and electric poles and other kinds of posts or poles; or
5. Emergency work to protect life, limb or property
6. Individual lots in a subdivision which are approved after the effective date of the ordinance.

C. Waiver. The City Council, upon recommendation of the Planning Commission, may waive any requirement of this ordinance upon making a finding that compliance with the requirement will not adversely affect the standards and requirements set forth in Section 1250.07. The City Council may require as a condition of the waiver such dedication or construction, or agreement to dedicate or construct as may be necessary to adequately meet said standards and requirements.

1250.07 Storm water management plan approval procedures.

A. Application. A written application for storm water management plan approval, along with the proposed storm water management plan, shall be filed with the Zoning Administrator and shall include a statement indicating the grounds upon which the approval is requested, that the proposed use permitted by right or as an exception in the underlying zoning district, and adequate evidence showing that the proposed use will conform to the standards set forth in this ordinance. Prior to applying for approval of a storm water management plan, an applicant may have the storm water management plans reviewed by the appropriate departments of the City.

Two sets of clearly legible blue or black lined copies of drawings and required information shall be submitted to the Zoning Administrator and shall be accompanied by an application and Cost Reimbursement Agreement as required in Chapter 6, Sections 610 and 625 of the City of Carver Code of Ordinances. Drawings shall be prepared to a scale appropriate to the site of the project and suitable for the review to be performed. At a minimum, the scale shall be 1 inch equals 100 feet.

B. Storm water management plan. At a minimum, the storm water management plan shall contain the following information:

1. Existing site map. A map of existing site conditions showing the site and immediately adjacent areas, including:
 - a. The name and address of the applicant, the section, township and range, north point, date and scale of drawing and number of sheets;
 - b. Location of the tract by an insert map at a scale sufficient to clearly identify the location of the property and giving such information as the names and numbers of adjoining roads, railroads, utilities, subdivision, towns and districts or other landmarks;
 - c. Existing topography with a contour interval appropriate to the topography of the land but in no case having a contour interval greater than 2 feet;
 - d. A delineation of all streams, rivers, public waters and wetlands located on and immediately adjacent to the site, including depth of water, a description of all vegetation which may be found in the water, a statement of general water quality and any classification given to the water body or wetland by the Minnesota Department of Natural Resources, the Minnesota Pollution Control Agency, and/or the United States Army Corps of Engineers;
 - e. Location and dimensions of existing storm water drainage systems and natural drainage patterns on and immediately adjacent to the site delineating in which direction and at what rate storm water is conveyed from the site, identifying the receiving stream, river, public water, or wetland, and setting forth those areas of the unaltered site where storm water collects;

- f. A description of the soils of the site, including a map indicating soil types of areas to be disturbed as well as a soil report containing information on the suitability of the soils for the type of development proposed and for the type of sewage disposal proposed and describing any remedial steps to be taken by the developer to render the soils suitable;
- g. Vegetative cover and clearly delineating any vegetation proposed for removal; and
- h. 100 year floodplain, flood fringes and floodways.

2. Site construction plan. A site construction plan including;

- a. Locations and dimensions of all proposed land disturbing activities;
- b. Locations and dimensions of all temporary soil or dirt stockpiles;
- c. Locations and dimensions of all construction site erosion control measures necessary to meet the requirements of this ordinance;
- d. Schedule of anticipated starting and completion date of each land disturbing activity including the installation of construction site erosion control measures needed to meet the requirements of this ordinance; and
- e. Provisions for maintenance of the construction site erosion control measures during construction.

3. Plan of final site conditions. A plan of final site conditions on the same scale as the existing site map showing the site changes including;

- a. Finished grading shown at contours at the same interval as provided above or as required to clearly indicate the relationship of proposed changes to existing topography and remaining features;
- b. A landscape plan, drawn to an appropriate scale, including dimensions and distances and the location, type, size and description of all proposed landscape materials which will be added to the site as part of the development;
- c. A drainage plan of the developed site delineating in which direction and at what rate storm water will be conveyed from the site and setting forth the areas of the site where storm water will be allowed to collect;
- d. The proposed size, alignments and intended use of any structures to be erected on the site;

- e. A clear delineation and tabulation of all areas which shall be paved or surfaced, including a description of the surfacing material to be used; and
- f. Any other information pertinent to the particular project which in the opinion of the applicant is necessary for the review of the project.

1250.08**Plan review procedure.**

A. Process. Storm water management plans meeting the requirements of Section 1250.07 shall be submitted by the Zoning Administrator to the Planning Commission for review in accordance with the standards of Section 1250.09. The Commission shall recommend approval, recommend approval with conditions or recommend denial of the storm water management plan. Following Planning Commission action, the storm water management plan shall be submitted to the City Council at its next available meeting. City Council action on the storm water management plan must be accomplished within 120 days following the date the application for approval is filed with the Zoning Administrator.

B. Duration. Approval of a plan submitted under the provisions of this ordinance shall expire one year after the date of approval unless construction has commenced in accordance with the plan. However, if prior to the expiration of the approval, the applicant makes a written request to the Zoning Administrator for an extension of time to commence construction setting forth the reason for the requested extension, the planning department may grant one extension of not greater than one single year. Receipt of any request for an extension shall be acknowledged by the Zoning Administrator within 15 days. The Zoning Administrator shall make a decision on the extension within 30 days of receipt. Any plan may be revised in the same manner as originally approved.

C. Condition. A storm water management plan may be approved subject to compliance with conditions reasonable and necessary to insure that the requirements contained in the ordinance are met. Such conditions may, among other matters, limit the size, kind or character of the proposed development, require replacement of vegetation, establish required monitoring procedures, stage the work over time, require alteration of the site design to insure buffering, and require the conveyance to the City of Carver other public entity of certain lands or interests therein.

D. Performance bond. Prior to approval of any storm water management plan, the applicant shall submit an agreement to construct such required physical improvements, to dedicated property or easements, or to comply with such conditions as may have been agreed to. Such agreement shall be accompanied by a bond to cover the amount of the established cost of complying with the agreement. The agreement and bond shall guarantee completion and compliance with conditions within a specific time, which time may be extended in accordance with Section 1250.08.B.

The adequacy, conditions and acceptability of any agreement and bond shall be determined by the City Council or any official of the City of Carver as may be designated by resolution of the City Council.

E. Repealed 12-6-04.

1250.09 Approval Standards

A. No storm water management plan which fails to meet the standards contained in this section shall be approved by the City Council.

B. Site dewatering. Water pumped from the site shall be treated by temporary sedimentation basins, grit chambers, sand filters, upflow chambers, hydrocyclones, swirl concentrators or other appropriate controls as appropriate. Water may not be discharged in a manner that causes erosion or flooding of the site or receiving channels or a wetland.

C. Waste and material disposal. All waste and unused building materials (including garbage debris, cleaning wastes, wastewater, toxic materials or hazardous materials) shall be properly disposed of off-site and not allowed to be carried by runoff into a receiving channel or storage sewer system.

D. Tracking. Each site shall have graveled roads, access drives and parking areas of sufficient width and length to prevent sediment from being tracked onto public or private roadways. Any sediment reaching a public or private road shall be removed by street cleaning (or flushing) before the end of each workday.

E. Drain inlet protection. All storm drain inlets shall be protected during construction until control measures are in place with a straw bale, silt fence or equivalent barrier meeting accepted design criteria, standards and specifications contained in the MPCA publication "Protecting Water Quality in Urban Areas".

F. Site erosion control. The following criteria (1 through 4) apply only to construction activities that result in runoff leaving the site.

1. Channelized runoff from adjacent areas passing through the site shall be diverted around disturbed areas, if practical. Otherwise, the channel shall be protected as described below. Sheetflow runoff from adjacent areas greater than 10,000 square feet in area shall also be diverted around disturbed areas, unless shown to have resulted runoff rates of less than 0.5 ft./sec. across the disturbed area for the one year storage. Diverted runoff shall be conveyed in a manner that will not erode the conveyance at receiving channels.

2. All activities on the site shall be conducted in a logical sequence to minimize the area of bare soil exposed at any one time.

3. Runoff from the entire disturbed area on the site shall be controlled by meeting either subsections a. and b. or a. and c.

- a. All disturbed ground left inactive for fourteen or more days shall be stabilized by seeding or sodding (only available prior to September 15) or by mulching or covering or other equivalent control measure.
 - b. For sites with more than ten (10) acres disturbed at one time, or if a channel originates in the disturbed area, one or more temporary or permanent sedimentation basin shall be constructed. Each sedimentation basin shall have a surface area of at least one percent of the area draining to the basin and at least three feet of depth and constructed in accordance with accepted design specifications. Sediment shall be removed to maintain a depth of three feet. The basin discharge rate shall also be sufficiently low as to not cause erosion along the discharge channel or the receiving water.
 - c. For sites with less than ten (10) acres disturbed at one time, silt fences, straw bales or equivalent control measures shall be placed along all sidesteps and downsides of the site. If a channel or area of concentrated runoff passes through the site, silt fences shall be placed along the channel edges to reduce sediment reaching the channel. The use of silt fences, straw bales or equivalent control measures must include a maintenance and inspection schedule.
4. Any soil or dirt storage piles containing more than ten (10) cubic yards of material should not be located with a downslide drainage length of less than twenty-five (25) feet from the toe of the pile to a roadway or drainage channel. If remaining for more than seven days, they shall be stabilized by mulching vegetative cover, tarps or other means. Erosion from piles which will be in existence for less than seven days shall be controlled by placing straw bales or silt fence barriers around the pile. In-street utility repair or construction soil or dirt storage piles located closer than twenty-five (25) feet of a roadway or drainage channel must be covered with tarps or suitable alternative control, if exposed for more than seven (7) days, and the stormdrain inlets must be protected with straw bale or other appropriate filtering barriers.

G. Storm water management criteria for permanent facilities.

1. An applicant shall install or construct, on or for the proposed land disturbing development activity, all storm water management facilities necessary to manage increased runoff so that the two-year, ten-year and 100-year storm peak discharge rate existing before the proposed development shall not be increased and accelerate channel erosion will not occur as a result of the proposed land disturbing or development activity. An applicant may also make an in-kind or monetary contribution to the development and maintenance of community storm water management facilities designed to serve multiple land disturbing and development activities undertaken by one or more persons, including the applicant.
2. The applicant shall give consideration to reducing the need for storm water management facilities by incorporating the use of natural topography and land cover

such as wetlands, ponds, natural swales and depressions as they exist before development to the degree that they can accommodate the additional flow of water without compromising the integrity or quality of the wetland or pond.

3. The following storm water management practices shall be investigated in developing a storm water management plan in the following descending order of preference:

- a. Natural infiltration of precipitation on-site;
- b. Flow attenuation by use of open vegetated swales and natural depressions;
- c. Storm water retention facilities; and
- d. Storm water detention facilities.

4. A combination of successive practices may be used to achieve the applicable minimum control requirements specified in subsection (1) above. Justification shall be provided by the applicant for the method selected.

H. Design Standards. Storm water detention facilities constructed in the City of Carver shall be designed according to the most current technology as reflected in the MPCA publication "Protecting Water Quality in Urban Areas", and shall contain, at a minimum, the following design factors:

1. A permanent pond surface area equal to two percent of the impervious area draining to the pond or one percent of the entire area draining to the pond, whichever amount is greater;
2. An average permanent pool depth of four to ten feet;
3. A permanent pool length-to-width ratio of 3:1 or greater;
4. A minimum protective shelf extending ten feet into the permanent pool with a slope of 10:1, beyond which slopes should not exceed 3:1;
5. A protective buffer strip of vegetation surrounding the permanent pool at a minimum width of one rod (16.5 feet) (this width is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991);
6. All storm water detention facilities shall have a device to keep oil, grease and other floatable material from moving downstream as a result of normal operations;
7. Storm water detention facilities for new development must be sufficient to limit peak flows in each subwatershed to those that existed before the development for the

ten (10) year storm event. All calculations and hydrologic models/information used in determining peak flows shall be submitted along with the storm water management plan;

8. All storm water detention facilities must have a forebay to remove coarse-grained particles prior to discharge into a watercourse or storage basin.

I. Wetlands.

1. Runoff shall not be discharged directly into wetlands without presettlement of the runoff.

2. A protective buffer strip of natural vegetation at least one rod (16.5 feet) in width shall surround all wetlands. (This width is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991.)

3. Wetlands must not be drained or filled, wholly or partially, unless replaced by restoring or creating wetland areas of at least equal public value. Replacement must be guided by the following principles in descending order of priority:

a. Avoiding the direct or indirect impact of the activity that may destroy or diminish the wetland;

b. Minimizing the impact by limiting the degree or magnitude of the wetland activity and its implementation;

c. Rectifying the impact by repairing, rehabilitating, or restoring the affected wetland environment;

d. Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the activity; and

e. Compensating for the impact by replacing or providing substitute wetland resources or environments. (Compensation, including the replacement ratio and quality of replacement should be consistent with the requirements outlined in the rules which will be adopted by the Board of Water and Soil Resources to implement the Wetland Conservation Act of 1991.)

J. Steep Slopes. No land disturbing or development activities shall be allowed on slopes of 18 per cent or more.

K. Catch basins. All newly installed and rehabilitated catch basins shall be provided with a sump area for the collection of coarse-grained material. Such basins shall be cleaned when they are half filled with material.

L. Drain leaders. All newly constructed and reconstructed buildings will route drain leaders to pervious areas wherein the runoff can be allowed to infiltrate. The flow rate of water existing the leaders shall be controlled so no erosion occurs in the pervious areas.

M. Inspection and maintenance. All storm water management facilities shall be designed to minimize the need of maintenance, to provide access for maintenance purposes and to be structurally sound. All storm water management facilities shall have a plan of operation and maintenance that assures continued effective removal of pollutants carried in storm water runoff. The director of public works, or designated representative, shall inspect all storm water management facilities during construction, during the first year of operation, and at least once every five years thereafter. The inspection records will be kept on file at the public works department for a period of 6 years. It shall be the responsibility of the applicant to obtain any necessary easements or other property interests to allow access to the storm water management facilities for inspection and maintenance purposes.

N. Models/methodologies/computations. Hydrologic models and design methodologies used for the determination of runoff and analysis of storm water management structures shall be approved by the director of public works. Plans, specifications and computations for storm water management facilities submitted for review shall be sealed and signed by a registered professional engineer. All computations shall appear on the plans submitted for review, unless otherwise approved by the director of public works.

O. Watershed management plans/groundwater management plans. Storm water management plans shall be consistent with adopted watershed management plans and groundwater management plans prepared in accordance with Minnesota Statutes section 103B.231 and 103B.255, respectively, and as approved by the Minnesota Board of Water and Soil Resources in accordance with state law.

P. Easements. If a storm water management plan involves direction of some or all runoff off of the site, it shall be the responsibility of the applicant to obtain from adjacent property owners any necessary easements or other property interests concerning flowage of water.

Q. Fences, Hedges and Retaining Walls. No fence, hedge or retaining wall may be constructed or located within the drainage and utility easement of a storm water drainage pond unless such improvement is approved, in writing, by the City of Carver building official. No such approval shall be granted for an improvement defined herein within the drainage and utility easement of a storm water drainage pond to the extent it is constructed within five feet of either side yard property line or within sixteen and one-half feet of the ordinary high water mark of the storm drainage pond. The property owner seeking to construct the improvement regulated herein must provide a sketch plan to the City of Carver building official for review. If the City of Carver building official approved the sketch plan, the building official will stake the location of the sixteen and one-half foot setback from the ordinary high water mark of the storm drainage pond and

the property owner may not commence construction of the improvement until the City of Carver building official has staked such setback.

1250.10 Lawn fertilizer regulations

- A. Use of impervious surfaces. No person shall apply fertilizer to or deposit grass clippings, leaves or other vegetative materials on impervious surfaces, or within storm water drainage systems, natural drainage ways, or within wetland buffer areas.
- B. Unimproved land areas. Except for driveways, sidewalks, patios, areas occupied by structures or areas which have been improved by landscaping, all areas shall be covered by plans or vegetative growth.
- C. Fertilizer content. Except for the first growing season for newly established turf areas, no person shall apply liquid fertilizer which contains more than one-half percent by weight of phosphorus, or granular fertilizer which contains more than three percent by weight of phosphorus, unless the single application is less than or equal to one-tenth pound of phosphorus per one thousand square feet. Annual application amount shall not exceed one half pound of phosphorus per one thousand square feet of lawn area.
- D. Buffer zone. Fertilizer applications shall not be made within one rod (16.5 feet) of wetland or water resource. (this distance is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991.)

1250.11 Penalty. Any person, firm or corporation violating any provision of this ordinance shall be fined not less than five dollars nor more than five hundred dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

1250.12 Other controls. In the event of any conflict between the provisions of an erosion control or shoreland protection ordinance adopted by the City Council, the more restrictive standard prevails.

1250.13 Severability. The provisions of this ordinance are severable. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provision or application.

Section 1255 Stormwater and Urban Runoff Pollution Control

1255.01 Intent. To promote the health, safety and general welfare of the citizens of Carver, Minnesota by requiring illicit discharge and illicit connection management practices for all discharge activities.

- I. The filling of pools or spas from the fire hydrants or other public facilities is prohibited.
- J. Violation of this Ordinance Section shall be punished as a misdemeanor under the laws of the State of Minnesota.

Section 1250 - Storm Water Management Ordinance

1250.01 Intent. To promote the health, safety and general welfare of the citizen of Carver, Minnesota, by requiring storm water management practices.

1250.02 Statutory Authorization. This ordinance is adopted pursuant to Minnesota Statutes Section (462.351 for cities and towns, 394.21 for counties having a population of less than 300,000 according to the 1950 federal census) (1990).

1250.03 Findings. The City of Carver hereby finds that uncontrolled and inadequately planned use of wetlands, woodlands, natural habitat areas, are subject to soil erosion and areas containing restrictive soils adversely affects the public health, safety and general welfare by impacting water quality and contributing to other environmental problems, creating nuisances, impairing other beneficial uses of environmental resources and hindering the ability of the City of Carver to provide adequate water, sewage, flood control and other community services. In addition, extraordinary public expenditures may be required for the protection of persons and property in such areas which may be affected by unplanned land usage.

1250.04 Purpose. The purpose of the ordinance is to promote, preserve and enhance the natural resources within the City of Carver and protect them from adverse effects occasioned by poorly sited development or incompatible activities by regulating land disturbing or development activities that would have an adverse and potentially irreversible impact on water quality and unique and fragile environmentally sensitive land; by minimizing conflicts and encouraging compatibility between land disturbing and development activities and water quality and environmentally sensitive lands; and by requiring detailed review standards and procedures for land disturbing or development activities proposed for such areas, thereby achieving a balance between urban growth and development and protection of water quality and natural areas.

1250.05 Definitions. For the purpose of this ordinance, the following terms, phrases, words and their derivatives shall have the meaning stated below. When not inconsistent with the context, words used in the present tense include the future tense, words in the plural number includes the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directive.

A. Applicant. Any person who wishes to obtain a building permit, zoning or subdivision approval.

B. Control measure. A practice or combination of practices to control erosion and attendant pollution.

C. Detention facility. A permanent natural or man-made structure, including wetlands, for the temporary storage of run off which contains a permanent pool of water.

- D. Flood fringe. The portion of the floodplain outside of the floodway.
- E. Floodplain. The areas adjoining a watercourse or water basin that have been or may be covered by a regional flood.
- F. Floodway. The channel of the watercourse, the bed of water basins, and those portions of the adjoining floodplains that are reasonably required to carry and discharge floodwater and provide water storage during a regional flood.
- G. Hydric soils. Soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part.
- H. Hydrophytic vegetation. Macrophytic plant life growing in water, soil or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content.
- I. Land disturbing or development activities. any change of the land surface including removing vegetative cover, excavating, filling, grading and the construction of any structure.
- J. Person. Any individual, firm, corporation, partnership, franchise, association or governmental entity.
- K. Public waters. Waters of the state as defined in Minnesota Statutes, Section 103G.00S, subdivision 15.
- L. Regional flood. A flood that is representative of large floods known to have occurred generally in the state and reasonably characteristic of what can be expected to occur on an average frequency in the magnitude of a 100-year recurrence interval.
- M. Retention facility. A permanent natural or man made structure that provides for the storage of storm water runoff by means of a permanent pool of water.
- N. Sediment. Solid matter carried by water, sewage, or other liquids.
- O. Structure. Anything manufactured, constructed or erected which is normally attached to or positioned on land, including portable structures, earthen structures, roads, parking lots, paved storage areas, fences and retaining walls.
- P. Wetlands. Lands transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. For purposes of this definition, wetlands must have the following three attributes:
1. Have a predominance of Hydric soils;

2. Are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of Hydrophytic vegetation typically adapted for life in saturated soil conditions; and
3. Under normal circumstances support a prevalence of such vegetation.

1250.06 Scope and effect.

A. Applicability. Every applicant for a building permit, subdivision approval, or a permit to allow land disturbing activities must submit a storm water management plan to the Zoning Administrator. No building permit, subdivision approval, or permit to allow land disturbing activities shall be issued until approval of the storm water management plan or a waiver of the approval requirement has been obtained in strict conformance with the provisions of this ordinance. The provisions of Section 1250.10 of this ordinance apply to all land, public or private.

B. Exemptions. The provisions of this ordinance do not apply to:

1. Any part of a subdivision if a plat for the subdivision has been approved by the City Council on or before the effective date of this ordinance;
2. Any land disturbing activity for which plans have been approved by the Carver Creek Watershed and the Lower Minnesota River Watershed management organizations within six months prior to the effective date of this ordinance;
3. A lot for which a building permit has been approved on or before the effective date of this ordinance;
4. Installation of fence, sign, telephone, and electric poles and other kinds of posts or poles; or
5. Emergency work to protect life, limb or property
6. Individual lots in a subdivision which are approved after the effective date of the ordinance.

C. Waiver. The City Council, upon recommendation of the Planning Commission, may waive any requirement of this ordinance upon making a finding that compliance with the requirement will not adversely affect the standards and requirements set forth in Section 1250.07. The City Council may require as a condition of the waiver such dedication or construction, or agreement to dedicate or construct as may be necessary to adequately meet said standards and requirements.

1250.07 Storm water management plan approval procedures.

A. Application. A written application for storm water management plan approval, along with the proposed storm water management plan, shall be filed with the Zoning Administrator and shall include a statement indicating the grounds upon which the approval is requested, that the proposed use permitted by right or as an exception in the underlying zoning district, and adequate evidence showing that the proposed use will conform to the standards set forth in this ordinance. Prior to applying for approval of a storm water management plan, an applicant may have the storm water management plans reviewed by the appropriate departments of the City.

Two sets of clearly legible blue or black lined copies of drawings and required information shall be submitted to the Zoning Administrator and shall be accompanied by an application and Cost Reimbursement Agreement as required in Chapter 6, Sections 610 and 625 of the City of Carver Code of Ordinances. Drawings shall be prepared to a scale appropriate to the site of the project and suitable for the review to be performed. At a minimum, the scale shall be 1 inch equals 100 feet.

B. Storm water management plan. At a minimum, the storm water management plan shall contain the following information:

- 1. Existing site map.** A map of existing site conditions showing the site and immediately adjacent areas, including:
 - a. The name and address of the applicant, the section, township and range, north point, date and scale of drawing and number of sheets;
 - b. Location of the tract by an insert map at a scale sufficient to clearly identify the location of the property and giving such information as the names and numbers of adjoining roads, railroads, utilities, subdivision, towns and districts or other landmarks;
 - c. Existing topography with a contour interval appropriate to the topography of the land but in no case having a contour interval greater than 2 feet;
 - d. A delineation of all streams, rivers, public waters and wetlands located on and immediately adjacent to the site, including depth of water, a description of all vegetation which may be found in the water, a statement of general water quality and any classification given to the water body or wetland by the Minnesota Department of Natural Resources, the Minnesota Pollution Control Agency, and/or the United States Army Corps of Engineers;
 - e. Location and dimensions of existing storm water drainage systems and natural drainage patterns on and immediately adjacent to the site delineating in which direction and at what rate storm water is conveyed from the site, identifying the receiving stream, river, public water, or wetland, and setting forth those areas of the unaltered site where storm water collects;

- f. A description of the soils of the site, including a map indicating soil types of areas to be disturbed as well as a soil report containing information on the suitability of the soils for the type of development proposed and for the type of sewage disposal proposed and describing any remedial steps to be taken by the developer to render the soils suitable;
- g. Vegetative cover and clearly delineating any vegetation proposed for removal; and
- h. 100 year floodplain, flood fringes and floodways.

2. Site construction plan. A site construction plan including;

- a. Locations and dimensions of all proposed land disturbing activities;
- b. Locations and dimensions of all temporary soil or dirt stockpiles;
- c. Locations and dimensions of all construction site erosion control measures necessary to meet the requirements of this ordinance;
- d. Schedule of anticipated starting and completion date of each land disturbing activity including the installation of construction site erosion control measures needed to meet the requirements of this ordinance; and
- e. Provisions for maintenance of the construction site erosion control measures during construction.

3. Plan of final site conditions. A plan of final site conditions on the same scale as the existing site map showing the site changes including;

- a. Finished grading shown at contours at the same interval as provided above or as required to clearly indicate the relationship of proposed changes to existing topography and remaining features;
- b. A landscape plan, drawn to an appropriate scale, including dimensions and distances and the location, type, size and description of all proposed landscape materials which will be added to the site as part of the development;
- c. A drainage plan of the developed site delineating in which direction and at what rate storm water will be conveyed from the site and setting forth the areas of the site where storm water will be allowed to collect;
- d. The proposed size, alignments and intended use of any structures to be erected on the site;

- e. A clear delineation and tabulation of all areas which shall be paved or surfaced, including a description of the surfacing material to be used; and
- f. Any other information pertinent to the particular project which in the opinion of the applicant is necessary for the review of the project.

1250.08**Plan review procedure.**

A. Process. Storm water management plans meeting the requirements of Section 1250.07 shall be submitted by the Zoning Administrator to the Planning Commission for review in accordance with the standards of Section 1250.09. The Commission shall recommend approval, recommend approval with conditions or recommend denial of the storm water management plan. Following Planning Commission action, the storm water management plan shall be submitted to the City Council at its next available meeting. City Council action on the storm water management plan must be accomplished within 120 days following the date the application for approval is filed with the Zoning Administrator.

B. Duration. Approval of a plan submitted under the provisions of this ordinance shall expire one year after the date of approval unless construction has commenced in accordance with the plan. However, if prior to the expiration of the approval, the applicant makes a written request to the Zoning Administrator for an extension of time to commence construction setting forth the reason for the requested extension, the planning department may grant one extension of not greater than one single year. Receipt of any request for an extension shall be acknowledged by the Zoning Administrator within 15 days. The Zoning Administrator shall make a decision on the extension within 30 days of receipt. Any plan may be revised in the same manner as originally approved.

C. Condition. A storm water management plan may be approved subject to compliance with conditions reasonable and necessary to insure that the requirements contained in the ordinance are met. Such conditions may, among other matters, limit the size, kind or character of the proposed development, require replacement of vegetation, establish required monitoring procedures, stage the work over time, require alteration of the site design to insure buffering, and require the conveyance to the City of Carver other public entity of certain lands or interests therein.

D. Performance bond. Prior to approval of any storm water management plan, the applicant shall submit an agreement to construct such required physical improvements, to dedicated property or easements, or to comply with such conditions as may have been agreed to. Such agreement shall be accompanied by a bond to cover the amount of the established cost of complying with the agreement. The agreement and bond shall guarantee completion and compliance with conditions within a specific time, which time may be extended in accordance with Section 1250.08.B.

The adequacy, conditions and acceptability of any agreement and bond shall be determined by the City Council or any official of the City of Carver as may be designated by resolution of the City Council.

E. Repealed 12-6-04.

1250.09 Approval Standards

A. No storm water management plan which fails to meet the standards contained in this section shall be approved by the City Council.

B. Site dewatering. Water pumped from the site shall be treated by temporary sedimentation basins, grit chambers, sand filters, upflow chambers, hydrocyclones, swirl concentrators or other appropriate controls as appropriate. Water may not be discharged in a manner that causes erosion or flooding of the site or receiving channels or a wetland.

C. Waste and material disposal. All waste and unused building materials (including garbage debris, cleaning wastes, wastewater, toxic materials or hazardous materials) shall be properly disposed of off-site and not allowed to be carried by runoff into a receiving channel or storage sewer system.

D. Tracking. Each site shall have graveled roads, access drives and parking areas of sufficient width and length to prevent sediment from being tracked onto public or private roadways. Any sediment reaching a public or private road shall be removed by street cleaning (or flushing) before the end of each workday.

E. Drain inlet protection. All storm drain inlets shall be protected during construction until control measures are in place with a straw bale, silt fence or equivalent barrier meeting accepted design criteria, standards and specifications contained in the MPCA publication "Protecting Water Quality in Urban Areas".

F. Site erosion control. The following criteria (1 through 4) apply only to construction activities that result in runoff leaving the site.

1. Channelized runoff from adjacent areas passing through the site shall be diverted around disturbed areas, if practical. Otherwise, the channel shall be protected as described below. Sheetflow runoff from adjacent areas greater than 10,000 square feet in area shall also be diverted around disturbed areas, unless shown to have resulted runoff rates of less than 0.5 ft./sec. across the disturbed area for the one year storage. Diverted runoff shall be conveyed in a manner that will not erode the conveyance at receiving channels.

2. All activities on the site shall be conducted in a logical sequence to minimize the area of bare soil exposed at any one time.

3. Runoff from the entire disturbed area on the site shall be controlled by meeting either subsections a. and b. or a. and c.

- a. All disturbed ground left inactive for fourteen or more days shall be stabilized by seeding or sodding (only available prior to September 15) or by mulching or covering or other equivalent control measure.
 - b. For sites with more than ten (10) acres disturbed at one time, or if a channel originates in the disturbed area, one or more temporary or permanent sedimentation basin shall be constructed. Each sedimentation basin shall have a surface area of at least one percent of the area draining to the basin and at least three feet of depth and constructed in accordance with accepted design specifications. Sediment shall be removed to maintain a depth of three feet. The basin discharge rate shall also be sufficiently low as to not cause erosion along the discharge channel or the receiving water.
 - c. For sites with less than ten (10) acres disturbed at one time, silt fences, straw bales or equivalent control measures shall be placed along all sidesteps and downsides of the site. If a channel or area of concentrated runoff passes through the site, silt fences shall be placed along the channel edges to reduce sediment reaching the channel. The use of silt fences, straw bales or equivalent control measures must include a maintenance and inspection schedule.
4. Any soil or dirt storage piles containing more than ten (10) cubic yards of material should not be located with a downslope drainage length of less than twenty-five (25) feet from the toe of the pile to a roadway or drainage channel. If remaining for more than seven days, they shall be stabilized by mulching vegetative cover, tarps or other means. Erosion from piles which will be in existence for less than seven days shall be controlled by placing straw bales or silt fence barriers around the pile. In-street utility repair or construction soil or dirt storage piles located closer than twenty-five (25) feet of a roadway or drainage channel must be covered with tarps or suitable alternative control, if exposed for more than seven (7) days, and the stormdrain inlets must be protected with straw bale or other appropriate filtering barriers.

G. Storm water management criteria for permanent facilities.

1. An applicant shall install or construct, on or for the proposed land disturbing development activity, all storm water management facilities necessary to manage increased runoff so that the two-year, ten-year and 100-year storm peak discharge rate existing before the proposed development shall not be increased and accelerate channel erosion will not occur as a result of the proposed land disturbing or development activity. An applicant may also make an in-kind or monetary contribution to the development and maintenance of community storm water management facilities designed to serve multiple land disturbing and development activities undertaken by one or more persons, including the applicant.
2. The applicant shall give consideration to reducing the need for storm water management facilities by incorporating the use of natural topography and land cover

such as wetlands, ponds, natural swales and depressions as they exist before development to the degree that they can accommodate the additional flow of water without compromising the integrity or quality of the wetland or pond.

3. The following storm water management practices shall be investigated in developing a storm water management plan in the following descending order of preference:

- a. Natural infiltration of precipitation on-site;
- b. Flow attenuation by use of open vegetated swales and natural depressions;
- c. Storm water retention facilities; and
- d. Storm water detention facilities.

4. A combination of successive practices may be used to achieve the applicable minimum control requirements specified in subsection (1) above. Justification shall be provided by the applicant for the method selected.

H. Design Standards. Storm water detention facilities constructed in the City of Carver shall be designed according to the most current technology as reflected in the MPCA publication "Protecting Water Quality in Urban Areas", and shall contain, at a minimum, the following design factors:

1. A permanent pond surface area equal to two percent of the impervious area draining to the pond or one percent of the entire area draining to the pond, whichever amount is greater;
2. An average permanent pool depth of four to ten feet;
3. A permanent pool length-to-width ratio of 3:1 or greater;
4. A minimum protective shelf extending ten feet into the permanent pool with a slope of 10:1, beyond which slopes should not exceed 3:1;
5. A protective buffer strip of vegetation surrounding the permanent pool at a minimum width of one rod (16.5 feet) (this width is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991);
6. All storm water detention facilities shall have a device to keep oil, grease and other floatable material from moving downstream as a result of normal operations;
7. Storm water detention facilities for new development must be sufficient to limit peak flows in each subwatershed to those that existed before the development for the

ten (10) year storm event. All calculations and hydrologic models/information used in determining peak flows shall be submitted along with the storm water management plan;

8. All storm water detention facilities must have a forebay to remove coarse-grained particles prior to discharge into a watercourse or storage basin.

I. Wetlands.

1. Runoff shall not be discharged directly into wetlands without presettlement of the runoff.

2. A protective buffer strip of natural vegetation at least one rod (16.5 feet) in width shall surround all wetlands. (This width is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991.)

3. Wetlands must not be drained or filled, wholly or partially, unless replaced by restoring or creating wetland areas of at least equal public value. Replacement must be guided by the following principles in descending order of priority:

a. Avoiding the direct or indirect impact of the activity that may destroy or diminish the wetland;

b. Minimizing the impact by limiting the degree or magnitude of the wetland activity and its implementation;

c. Rectifying the impact by repairing, rehabilitating, or restoring the affected wetland environment;

d. Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the activity; and

e. Compensating for the impact by replacing or providing substitute wetland resources or environments. (Compensation, including the replacement ratio and quality of replacement should be consistent with the requirements outlined in the rules which will be adopted by the Board of Water and Soil Resources to implement the Wetland Conservation Act of 1991.)

J. Steep Slopes. No land disturbing or development activities shall be allowed on slopes of 18 per cent or more.

K. Catch basins. All newly installed and rehabilitated catch basins shall be provided with a sump area for the collection of coarse-grained material. Such basins shall be cleaned when they are half filled with material.

L. Drain leaders. All newly constructed and reconstructed buildings will route drain leaders to pervious areas wherein the runoff can be allowed to infiltrate. The flow rate of water existing the leaders shall be controlled so no erosion occurs in the pervious areas.

M. Inspection and maintenance. All storm water management facilities shall be designed to minimize the need of maintenance, to provide access for maintenance purposes and to be structurally sound. All storm water management facilities shall have a plan of operation and maintenance that assures continued effective removal of pollutants carried in storm water runoff. The director of public works, or designated representative, shall inspect all storm water management facilities during construction, during the first year of operation, and at least once every five years thereafter. The inspection records will be kept on file at the public works department for a period of 6 years. It shall be the responsibility of the applicant to obtain any necessary easements or other property interests to allow access to the storm water management facilities for inspection and maintenance purposes.

N. Models/methodologies/computations. Hydrologic models and design methodologies used for the determination of runoff and analysis of storm water management structures shall be approved by the director of public works. Plans, specifications and computations for storm water management facilities submitted for review shall be sealed and signed by a registered professional engineer. All computations shall appear on the plans submitted for review, unless otherwise approved by the director of public works.

O. Watershed management plans/groundwater management plans. Storm water management plans shall be consistent with adopted watershed management plans and groundwater management plans prepared in accordance with Minnesota Statutes section 103B.231 and 103B.255, respectively, and as approved by the Minnesota Board of Water and Soil Resources in accordance with state law.

P. Easements. If a storm water management plan involves direction of some or all runoff off of the site, it shall be the responsibility of the applicant to obtain from adjacent property owners any necessary easements or other property interests concerning flowage of water.

Q. Fences, Hedges and Retaining Walls. No fence, hedge or retaining wall may be constructed or located within the drainage and utility easement of a storm water drainage pond unless such improvement is approved, in writing, by the City of Carver building official. No such approval shall be granted for an improvement defined herein within the drainage and utility easement of a storm water drainage pond to the extent it is constructed within five feet of either side yard property line or within sixteen and one-half feet of the ordinary high water mark of the storm drainage pond. The property owner seeking to construct the improvement regulated herein must provide a sketch plan to the City of Carver building official for review. If the City of Carver building official approved the sketch plan, the building official will stake the location of the sixteen and one-half foot setback from the ordinary high water mark of the storm drainage pond and

the property owner may not commence construction of the improvement until the City of Carver building official has staked such setback.

1250.10 Lawn fertilizer regulations

A. Use of impervious surfaces. No person shall apply fertilizer to or deposit grass clippings, leaves or other vegetative materials on impervious surfaces, or within storm water drainage systems, natural drainage ways, or within wetland buffer areas.

B. Unimproved land areas. Except for driveways, sidewalks, patios, areas occupied by structures or areas which have been improved by landscaping, all areas shall be covered by plans or vegetative growth.

C. Fertilizer content. Except for the first growing season for newly established turf areas, no person shall apply liquid fertilizer which contains more than one-half percent by weight of phosphorus, or granular fertilizer which contains more than three percent by weight of phosphorus, unless the single application is less than or equal to one-tenth pound of phosphorus per one thousand square feet. Annual application amount shall not exceed one half pound of phosphorus per one thousand square feet of lawn area.

D. Buffer zone. Fertilizer applications shall not be made within one rod (16.5 feet) of wetland or water resource. (this distance is consistent with the draft rules developed by the Board of Water and Soil Resources under the Wetland Conservation Act of 1991.)

1250.11 Penalty. Any person, firm or corporation violating any provision of this ordinance shall be fined not less than five dollars nor more than five hundred dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

1250.12 Other controls. In the event of any conflict between the provisions of an erosion control or shoreland protection ordinance adopted by the City Council, the more restrictive standard prevails.

1250.13 Severability. The provisions of this ordinance are severable. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provision or application.

Section 1255 Stormwater and Urban Runoff Pollution Control

1255.01 Intent. To promote the health, safety and general welfare of the citizens of Carver, Minnesota by requiring illicit discharge and illicit connection management practices for all discharge activities.

7.0 Goals and Policies

7.1 SUMMARY

The following are the City's goals and policies for Surface Water Management. The goals and policies are consistent with Minnesota Rules 8410 and local watershed requirements and reflect a commitment by the City to protect its natural resources and sustain a high quality of life for its residents. As with all planning tools, these goals and policies are meant to be dynamic and flexible and to evolve with changing conditions in the City. It should be noted that the numbering system of the goals and policies does not imply ranking by priority.

7.2 FLOOD CONTROL

Goal: Provide adequate storage and conveyance of runoff and manage development in flood prone areas to protect the public safety and minimize property damage.

Policy 1: Maintain or increase existing flood storage volume below the 100-year flood elevation on all waterbodies in Carver as opportunities become available, per the City's policy of "no net loss of flood storage capacity" in designated stormwater basin areas, floodplain, and wetlands.

Policy 2: Require on-site mitigation for a loss in existing flood storage volume below the 100-year flood elevation, unless the 100-year floodplain boundary is fully contained on-site.

Policy 3: Periodically review and update as necessary the City's current floodplain ordinance.

Policy 4: The following stormwater basin freeboard requirements must be followed:

- The low opening elevation for all new or existing structures hydraulically connected to stormwater basins must be a minimum of 2 feet above the basin High Water Level (HWL) elevation for the critical 100-year recurrence interval precipitation event (i.e. either the 100-year 24-hour event or 100-year 10-day snowmelt event).
- The low floor elevation for all new or existing structures immediately adjacent to stormwater basins, street ponding areas, or rear yard swale depressions must be a minimum of 1 foot above the basin HWL elevation for the critical 100-year recurrence interval precipitation event.
- The low opening elevation for all new or existing structures hydraulically connected to stormwater basins must be a minimum of 1 foot above the

overland Emergency Overflow (EOF) elevation of any immediately adjacent surface waterbody, wetland or stormwater basin.

- In situations where an overland EOF is not feasible, a piped EOF should be provided and the low opening for all new or existing structures hydraulically connected to stormwater basins must be a minimum of 2 feet above a back-to-back 100-year critical recurrence interval precipitation event.
- The City Engineer may modify this freeboard requirement to be more restrictive at their own discretion based on specific site conditions.
- The City Engineer may require a parallel stormwater basin HWL calculation using Atlas 14 rainfall depths to set the freeboard elevation to meet City requirement.

Policy 5: Regional stormwater basins (basins receiving runoff from multiple sites) are preferred over on-site stormwater basins because they operate more efficiently and require less frequent maintenance than smaller on-site basins. On-site detention basins are utilized when regional basins are not in place or are not feasible.

7.3 RUNOFF RATE

Goal: Control the rate of stormwater runoff from development to reduce downstream flooding and erosion.

Policy 6: At a minimum, peak flow rates after development shall not exceed predevelopment peak flow rates for the 2-year, 10-year, and 100-year recurrence interval precipitation events. However, in many areas, more restrictive rate control criteria are required as specified within the SWMP (see Appendix C). These standards are intended to preserve the integrity of downstream conveyance facilities and detention areas. The City may also require a parallel runoff rate analysis using Atlas 14 rainfall depths.

Policy 7: If only a portion of a regional pond tributary area is being developed, the maximum discharge rates for the development will be proportional to the rates specified for the regional pond in Appendix C. The proportion of rate control should be based on drainage area, such that if 50% of the regional pond tributary area is being developed, the allowable peak rates will be 50% of the regional pond rates in Appendix C.

Policy 8: In conformance with Carver County rules, extended detention must be provided for the runoff generated from the 2-year event for sites with direct discharges to streams. To demonstrate compliance with the extended detention requirement, calculations showing the 2-year storm discharge reduced by 50 percent of existing conditions shall be submitted.

Policy 9: The City encourages the reduction of impervious surfaces resulting from new and re-development projects. This policy will help preserve existing natural areas and reduce the total volume of runoff generated on a site, reducing the rate control burden on downstream regional detention basins.

7.4 SURFACE WATER QUALITY

Goal: Improve the quality of stormwater runoff routed to lakes, streams, and wetlands receiving discharge from Carver.

Policy 10: The City will adopt the water quality standards from Chapter 153 of the Carver County Code of Ordinances (Adopted June 2012) as the City water quality standard. The Chapter 153 standards will be applied city-wide. A copy of this document is included in Appendix G.

Policy 11: Water quality BMPs proposed to the County's water quality standard should be designed in accordance with the guidance provided in the 2013 Carver County BMP Guidance document. A copy of this document is included in Appendix G. Additional design information regarding the suitability and effectiveness of water quality BMPs can be found in the Minnesota Stormwater Manual.

Policy 12: BMP effectiveness should be estimated or calculated using the tools provided by Carver County in the Chapter 153 standards and the BMP guidance document.

Policy 13: The City encourages new and redevelopment projects to route runoff away from impervious, where feasible.

Policy 14: The City requires stormwater quality treatment in development and redevelopment areas and will strive for the nondegradation of receiving waters within the City as development proceeds.

Policy 15: If full compliance with the treatment by a stormwater treatment feature is not feasible for a new or re-development site, the City may require a cash dedication in lieu of treatment at the discretion of the City Engineer. The water quality cash dedication amount is calculated per the methodology in Section 6.7.

Policy 16: The City will review and update City Code Section 1250 as necessary to reference the City's water quality standard identified above.

Policy 17: Water quality wet ponds must be designed per City design standards which are included in Appendix H.

Policy 18: Water quality wet ponds shall have an outlet control structure that is acceptable to the City that prevents trash and floating debris from discharging downstream.

7.5 STORMWATER RUNOFF VOLUME

Goal: Reduce pollutant loads and impacts to downstream waterbodies, and recharge groundwater through effectively managing stormwater runoff volumes.

Policy 19: The City will adopt the volume control standards from Chapter 153 of the Carver County Code of Ordinances (Adopted June 2012) as the City volume control standard. The Chapter 153 standards will be applied city-wide. A copy of this document is included in Appendix G.

Policy 20: Volume control BMPs proposed to the County's volume control standard should be designed in accordance with the guidance provided in the 2013 Carver County BMP Guidance document. A copy of this document is included in Appendix G. Additional design information regarding the suitability and effectiveness of volume control BMPs can be found in the Minnesota Stormwater Manual.

Policy 21: Where infiltration is not practicable as a runoff volume technique due to HSG C or D soils, topography, high groundwater elevations, bedrock elevations, wellhead protection concerns, etc., alternative methods of abstraction shall be required to achieve the same level of benefit

Policy 22: Infiltration should be considered as a technique to limit peak flows and runoff volumes for precipitation events greater than a 1 year event (2.4 inches of rain in 24 hours) only when reviewed and approved by the City Engineer. Even when approved, outlets and EOFs need to be provided in the infiltration areas to meet City freeboard requirements to existing and future adjacent structures (see Policy 4).

Policy 23: The City will review and update City Code Section 1250 as necessary to reference the City's volume control standard identified above.

Policy 24: The City will attempt to minimize increases in impervious surface when reconstructing streets and other paved surfaces in Carver.

Policy 25: The City will seek to retrofit volume control BMPs into existing developed areas as opportunities arise and funding is available.

- Policy 26:** In the interim case when developing areas are outside the City's constructed ultimate trunk conveyance system (see Map 1) and potential impacts to downstream properties are a possibility due to stormwater discharges from the new development activities, the City will require the following:
- Conformance with Policy 6 (runoff rate control), which controls discharge rate to below existing conditions for all rainfall events
 - Conformance with Policy 20 (volume control), which manages the stormwater runoff volume from the site
 - Coordinate downstream impact mitigation activities with the CCWMO that meet the requirements identified in the Carver County Ordinance Chapter 153.56(G)(2)
 - Where feasible and trunk conveyance funds are available, the construction of the City's ultimate trunk conveyance system

7.6 CONSERVATION DESIGN

Goal: Encourage development activities to incorporate conservation design approaches.

- Policy 27:** The City recognizes the water quantity and quality benefits provided by incorporating Conservation Design approaches into development within the City. Conservation Design seeks to accomplish four goals, as stated in the Minnesota Stormwater Manual:
- Reduce the amount of impervious cover
 - Preserve and incorporate existing natural areas into the site design
 - Utilize the appropriate BMPs (see Policy 11 and 20) for effective stormwater treatment
 - Preserve or enhance the infiltrative capacity of the soil

- Policy 28:** As part of the City's commitment to incorporating Conservation Design practices into new and redevelopment projects, prior to a formal submittal of plans, the City will require a pre-application meeting to discuss how the project will incorporate Conservation Design practices into the site layout.

7.7 TMDLS AND IMPAIRED WATERS

Goal: Address target pollutants identified for impaired waters and those in TMDL studies to improve water quality

- Policy 29:** While the City will allow other entities to take the lead on developing TMDL studies, the City will engage the TMDL Report and TMDL Implementation Plan development processes as appropriate to improve water quality.

Policy 30: Coordinate TMDL implementation efforts with the CCWMO or LMRWD to maximize the efficiency and effectiveness of improvements. The City will update the Stormwater System Implementation Projects and Activities (Table 8.3) table to reflect new implementation activities. TMDL implementation activities are discussed in more detail in Section 8.5.

Policy 31: Enforce the City's development standards for construction site stormwater runoff control and post-construction stormwater management as development proceeds to minimize the transport of pollutant loads to impaired waters.

7.8 RESOURCE MANAGEMENT

Goal: Protect the City's wetlands, lakes, streams, groundwater, and natural areas to preserve the functions and values of these resources.

Policy 32: The City is committed to protecting and restoring degraded stream sections in the City to enhance these valuable resources for the future. Three stream sections have been identified for rehabilitation:

- Spring Creek
- Carver Creek
- Timber Creek

Stream rehabilitation costs for restoring portions of these streams have been incorporated into the trunk system cost calculations (see Appendix D). As development occurs within the stream's watershed, available funds will be used to restore these degraded streams by means of bioengineering techniques designed to provide a natural looking stream section. Stream rehabilitation techniques may include:

- Regrading existing streams to provide meandering stream sections
- Rock veins or other channel stabilizations methods
- Streambed bioengineered reinforcement
- Streambank bioengineered reinforcement
- Drop structures
- Energy dissipation measures
- Bioengineered erosion protection
- Buffer restoration and preservation

Policy 33: The City recognizes the many benefits, including the water quality benefit, associated with tree cover in Carver. For more information regarding the benefit

associated with tree cover, the City's tree ordinance can be found in City Code Section 1265.

Policy 34: The City defers to the Goals and Policies identified in Section 3H (*Groundwater Management*) in the 2010 Carver County Water Management Plan. Future Wellhead Protection Plans may identify the need for water quality treatment beyond the City's current standards in certain areas and will be addressed as these plans are completed.

Policy 35: The City will continue to protect and manage its wetland resources in accordance with its *2002 Wetland Inventory and Assessment*. This document is included in Appendix E of this SWMP.

Policy 36: Development runoff that discharges directly to a wetland must meet the wetland management standards as identified in the *2002 Wetland Inventory and Assessment*.

Policy 37: The City acts as the Local Government Unit (LGU) for administration of the Wetland Conservation Act of 1991 and all subsequent amendments.

Policy 38: For development activities in areas outside the study area for the 2002 Wetland Inventory and Assessment, the developer will be responsible for classifying wetlands in accordance with City standards and the wetland standards in the *2002 Wetland Inventory and Assessment* will apply.

Policy 39: The City defers the enforcement of the Carver County Feedlot Management Ordinance to Carver County for any newly annexed areas within the City. An appropriate agreement between the City of Carver and the County will need to be processed related to this enforcement.

7.9 CITYWIDE PROGRAM ELEMENTS

Goal: Manage water resources and drainage systems on a city-wide scale through City policy, education, and good housekeeping practices

Policy 40: The City will actively implement their SWPPP in accordance with the current version of the MS4 permit. The SWPPP will be updated within the timeframe provided by the MPCA as necessary.

Policy 41: Regularly review the City's operation and maintenance program and SWPPP responsibilities to determine if City financial and staff resources are sufficient to adequately implement these programs.

Policy 42: All waste and unused building materials (including garbage debris, cleaning wastes, wastewater, toxic materials or hazardous materials) shall be properly